HT-CT780
SA-CT780

SERVICE MANUAL

Ver. 1.1 2015.04

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Chinese Model
PX Model

- All of the units included in the HT-CT780 (SA-CT780/SA-WCT780/Remote control) are required to confirming operation of SA-CT780. Check in advance that you have all of the units.



Photo: SA-CT780

Note:
Be sure to keep your PC used for service and checking of this unit always updated with the latest version of your anti-virus software.
In case a virus affected unit was found during service, contact your Service Headquarters.

COMPONENT MODEL NAME

	HT-CT780
Bar Speaker (Active Speaker System)	SA-CT780
Subwoofer (Active Subwoofer)	SA-WCT780

- Please refer to service manual separately issued for Subwoofer.

SPECIFICATIONS

Amplifier section

U.S. models:
POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
(FTC)
Front L + Front R:
With 4 ohms loads, both channels driven, from 200 Hz - 20,000 Hz; rated 35 Watts per channel minimum RMS power, with no more than 1% total harmonic distortion from 250 milliwatts to rated output.
POWER OUTPUT (reference)
Front L/Front R: 105 Watts (per channel at 4 ohms, 1 kHz)

Chinese model:
POWER OUTPUT (rated)
Front L + Front R:
35 W + 35 W (at 4 ohms, 1 kHz, 1% THD)

Brazilian model:
The following values were measured at 127 V AC 60 Hz
RMS POWER OUTPUT:
Front L + Front R:
70 W (35 W per channel × 2, at 4 ohms, 1 kHz, 10% THD*)
* Total harmonic distortion

Other models:
POWER OUTPUT (rated)
Front L + Front R:
50 W + 50 W (at 4 ohms, 1 kHz, 1% THD)
POWER OUTPUT (reference)
Front L/Front R: 105 Watts (per channel at 4 ohms, 1 kHz)

Inputs
HDMI IN* 1/2/3
ANALOG IN
DIGITAL IN (TV)
Outputs
HDMI OUT** (ARC)

* The 1 jack supports HDCP 2.2 protocol. HDCP 2.2 is newly enhanced copyright protection technology that is used to protect content such as 4K movies. The 2 and 3 jacks are identical. Using any of them makes no difference.

** The HDMI OUT jack supports HDCP 2.2 protocol. HDCP 2.2 is newly enhanced copyright protection technology that is used to protect content such as 4K movies.

HDMI Section
Connector
Type A (19pin)

BLUETOOTH section
Communication system
BLUETOOTH Specification version 3.0
Output
BLUETOOTH Specification Power Class 2
Maximum communication range
Line of sight approx. 10 m (33 ft)[1)]
Maximum number of devices to be registered
9 devices
Frequency band
2.4 GHz band (2.4000 GHz - 2.4835 GHz)
Modulation method
FHSS (Freq Hopping Spread Spectrum)
Compatible BLUETOOTH profiles[2)]
A2DP 1.2 (Advanced Audio Distribution Profile)
AVRCP 1.3 (Audio Video Remote Control Profile)
Supported Codecs[3)]
SBC[4)], AAC[5)]
Transmission range (A2DP)
20 Hz - 20,000 Hz (Sampling frequency 44.1 kHz)

1) The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, cordless phone, reception sensitivity, operating system, software application, etc.
2) BLUETOOTH standard profiles indicate the purpose of BLUETOOTH communication between devices.
3) Codec: Audio signal compression and conversion format
4) Subband Codec
5) Advanced Audio Coding

Front L/Front R speaker section
Speaker system
2-way speaker system, Acoustic suspension
Speaker
Woofer: 60 mm (2 $^{3}/_{8}$ in) cone type
Tweeter: 19 mm ($^{3}/_{4}$ in) soft dome type

General
Power requirements
120 V AC, 60 Hz (US, CND)
120 V AC, 50 Hz/60 Hz (TW)
110 V - 240 V AC, 50 Hz/60 Hz (PX, EA3, BR)
220 V - 240 V AC, 50 Hz/60 Hz (Other models)
Power consumption
On: 40 W
Standby: 0.3 W or less (at the Power saving mode)
Standby: 0.5 W or less (When [S. THRU] is [ON]: 6 W or less)

Dimensions (approx.) (w/h/d)
1,030 mm × 55 mm × 117 mm (40 $^{5}/_{8}$ in × 2 $^{1}/_{4}$ in × 4 $^{5}/_{8}$ in) (without wall mounting brackets)
1,030 mm × 120 mm × 74 mm (40 $^{5}/_{8}$ in × 4 $^{3}/_{4}$ in × 3 in) (with wall mounting brackets)
Mass (approx.)
2.8 kg (6 lb 2 $^{3}/_{4}$ oz)

Wireless transmitter section

Speaker system
Wireless Sound Specification version 2.0
Frequency band
2.4 GHz (2.4000 GHz - 2.4835 GHz)
Modulation method
Pi / 4 DQPSK

Supplied accessories
Remote control (1)
R03 (size AAA) batteries (2)
Optical digital cable (1)
Wall mounting brackets (2) and screws (2)
Startup Guide (1)
Operating Instructions (1)

Design and specifications are subject to change without notice.

HT-CT780
SOUND BAR
SA-CT780
ACTIVE SPEAKER SYSTEM

9-896-146-02
2015D33-1

Sony Corporation
Published by Sony Techno Create Corporation

SONY®

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Compatible iPod/iPhone models

The compatible iPod/iPhone models are as follows. Update your iPod/iPhone with the latest software before using with the system.

BLUETOOTH technology works with:
iPhone 6 Plus/iPhone 6/iPhone 5s/
iPhone 5c/iPhone 5/iPhone 4s/
iPhone 4/iPhone 3GS
iPod touch (5th generation)/iPod touch (4th generation)

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NOTES ON CHIP COMPONENT REPLACEMENT

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

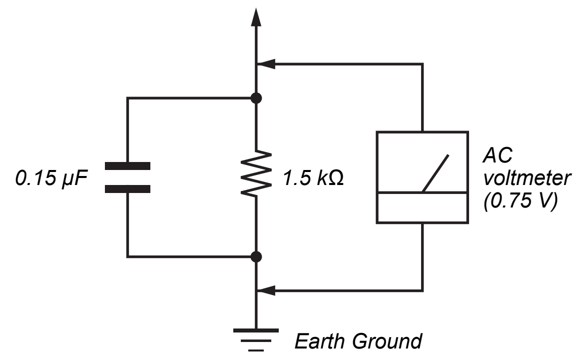


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

关于安全相关零部件的警告

原理图和零件清单中标有⚠记号的零部件，或带有⚠记号的虚线所表示的零部件，对于安全操作至关重要。更换时，必须依据本手册或索尼公司追加发行的手册中列明的零件号，使用索尼公司的零件进行。

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Accessories are given in the last of the electrical parts list.

SECTION 1
SERVICING NOTES

The SERVICING NOTES contains important information for servicing. Be sure to read this section before repairing the unit.

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(**Caution:** Some printed circuit boards may not come printed with the lead free mark due to their particular size)

: LEAD FREE MARK

Unleaded solder has the following characteristics.

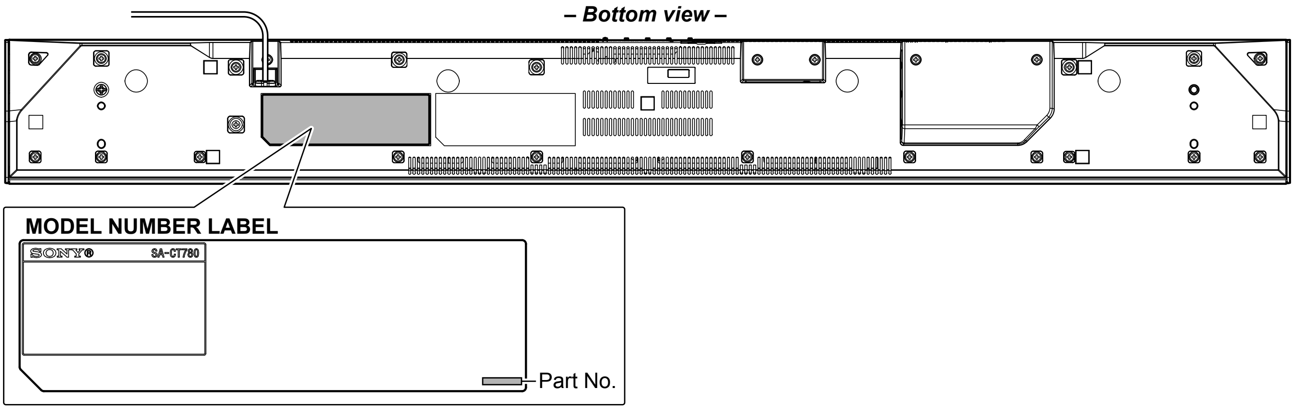
- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 °C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

NOTE OF PERFORMING THE OPERATION CHECK IN THE STATE THAT HEAT SINK WAS REMOVED

When performing the operation check in the state that this unit was disassembled, it is possible to perform the operation check in the state that heat sink was removed. But don't perform the operation check in the long time, and perform the operation check in the volume state as low as possible.

MODEL IDENTIFICATION

Distinguish by Part No. on the bottom side of the main unit.

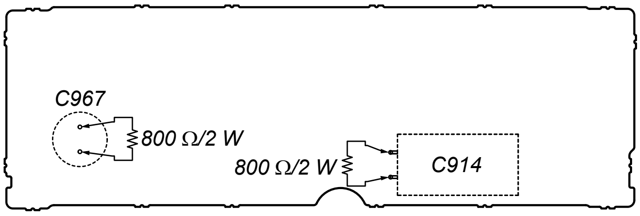


Destination	Part No.
US, CND	4-564-208-0□
AEP	4-564-209-0□
UK	4-564-209-1□
EA3	4-564-211-0□
PX	4-567-467-0□
SP	4-567-468-0□
CH	4-567-469-0□
AUS	4-567-470-0□
TW	4-567-471-0□
BR	4-569-640-0□
E3	4-570-359-0□

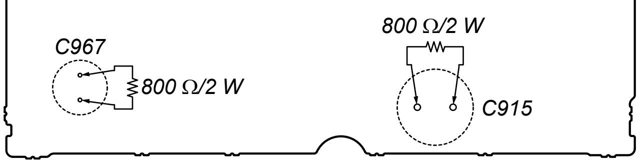
CAPACITOR ELECTRICAL DISCHARGE PROCESSING

When checking the board, for the electric shock prevention, connect the resistors to both ends of respective capacitors to discharge the capacitor.

– POWER Board (Conductor Side) –
(US, Canadian and Taiwan models)



– POWER Board (Conductor Side) –
(Except US, Canadian and Taiwan models)



DESTINATION ABBREVIATIONS

The following abbreviations for model destinations are used in this service manual.

- Abbreviations
  AUS : Australian model
  BR : Brazilian model
  CH : Chinese model
  CND : Canadian model
  E3 : African and Iranian models
  EA3 : Saudi Arabia, UAE, Kuwait, Iraqi, Kenyan, Tanzanian and Nigerian models
  SP : Singapore model
  TW : Taiwan model

ADVANCE PREPARATION WHEN CONFIRMING OPERATION

All of the units included in the HT-CT780 (SA-CT780/SA-WCT780/Remote control) are required to confirming operation of SA-CT780. Check in advance that you have all of the units.

NOTE OF REPLACING THE KEY BOARD

When the KEY board is defective, replace the complete mounted board.

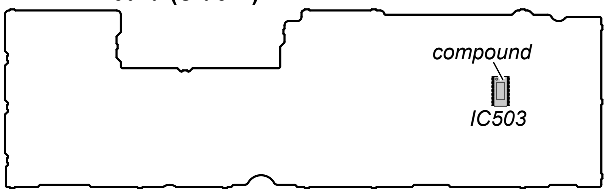
NOTE OF REPLACING THE IC102, IC104, IC307, IC308, IC313, IC601 TO IC603, IC605, IC1002, IC1004 AND IC1501 ON THE MAIN BOARD

IC102, IC104, IC307, IC308, IC313, IC601 to IC603, IC605, IC1002, IC1004 and IC1501 on the MAIN board cannot replace with single. When these parts are damaged, replace the complete mounted board.

NOTE OF REPLACING THE IC503 ON THE MAIN BOARD AND THE COMPLETE MAIN BOARD

When IC503 on the MAIN board and the complete MAIN board are replaced, it is necessary to spread the compound between the MAIN board and the heat sink.
Spread the compound referring to the figure below.

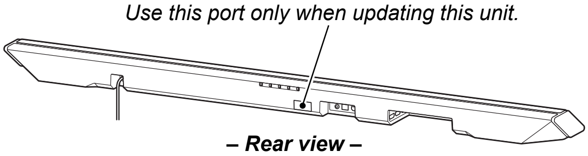
– MAIN Board (Side A) –



IF "PRTECT (PROTECT)" APPEARS ON THE FRONT PANEL DISPLAY OF THE BAR SPEAKER

→ Press the I/⏻ (on/standby) button on the Bar Speaker to turn off the system. After the display stops flashing, disconnect the AC power cord (mains lead) then check that nothing is blocking the ventilation holes of the Bar Speaker.

NOTES ON UPDATE PORT



– Rear view –

NOTES ON THE WIRELESS CONNECTION (LINK) AFTER REPAIRS ARE COMPLETE

When the parts below is replaced, the wireless connection (LINK) of the Bar speaker and Subwoofer will be disconnected.
Before returning repaired products to the customer, follow the procedure below to LINK the Bar speaker and Subwoofer.
Also, if only the Bar speaker or Subwoofer is brought in for repair and the parts below are replaced, be sure to inform the customer when returning the repaired products that the customer must LINK the Bar speaker and Subwoofer.
(Indicate that the LINK procedure is described in the operating instructions)

Parts in which the LINK will be disconnected due to replacement:

- Complete MAIN board
- RF modulator (SWA12-4V TX) (Ref. No. RF1)

Linking the system (Link to the Subwoofer)

Set up the wireless subwoofer connection again.

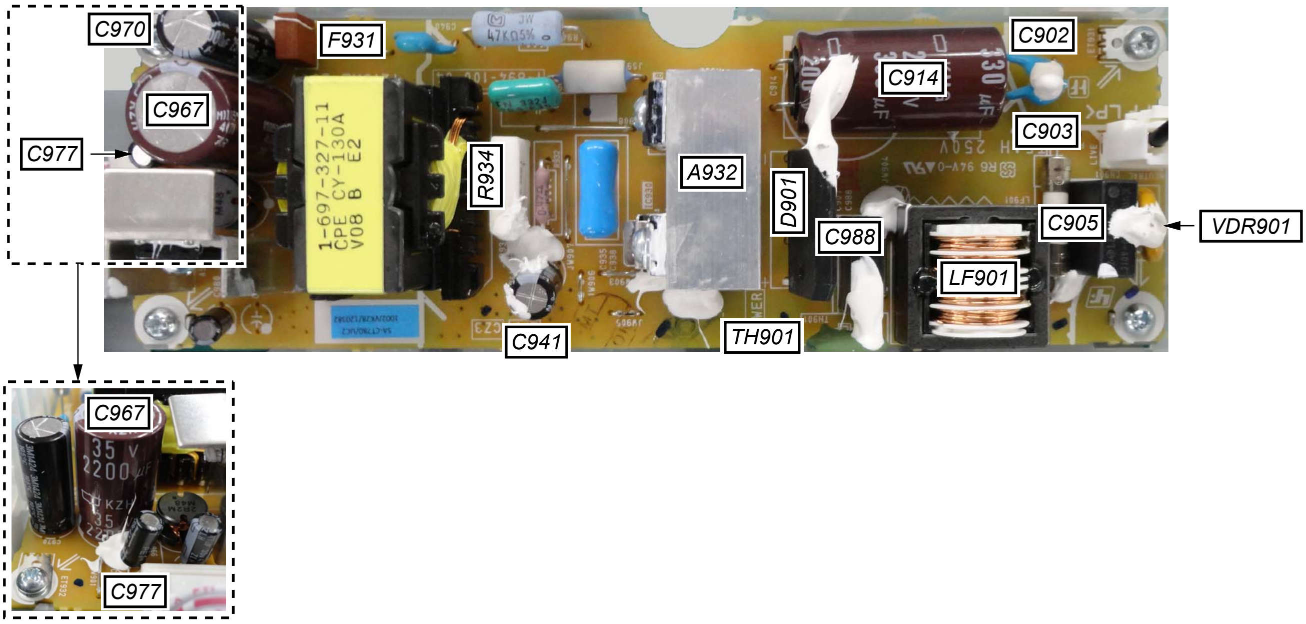
1. **Press MENU.**
2. **Select [WS] with ↑ ↓ (select), then press ENTER.**
3. **Select [LINK] with ↑ ↓ (select), then press ENTER.**
4. **When [START] appears on the display, press ENTER.**
   [SEARCH] appears, and the Bar Speaker searches for a device that can be used with Link. Proceed to the next step within 1 minute.
   To quit the Link function while searching for a device, press BACK.
5. **Press LINK on the subwoofer.**
   The on/standby indicator on the subwoofer lights up in green. [OK] appears on the display of the Bar Speaker.
   If [FAILED] appears, check to ensure the subwoofer is turned on and perform the process again from step 1.
6. **Press MENU.**
   The menu turns off.

BOND FIXATION OF ELECTRIC PARTS

When complete POWER board or the following parts are replaced, it is necessary to fix the parts by using the bond (SC608Z2) (Refer to the figure below).

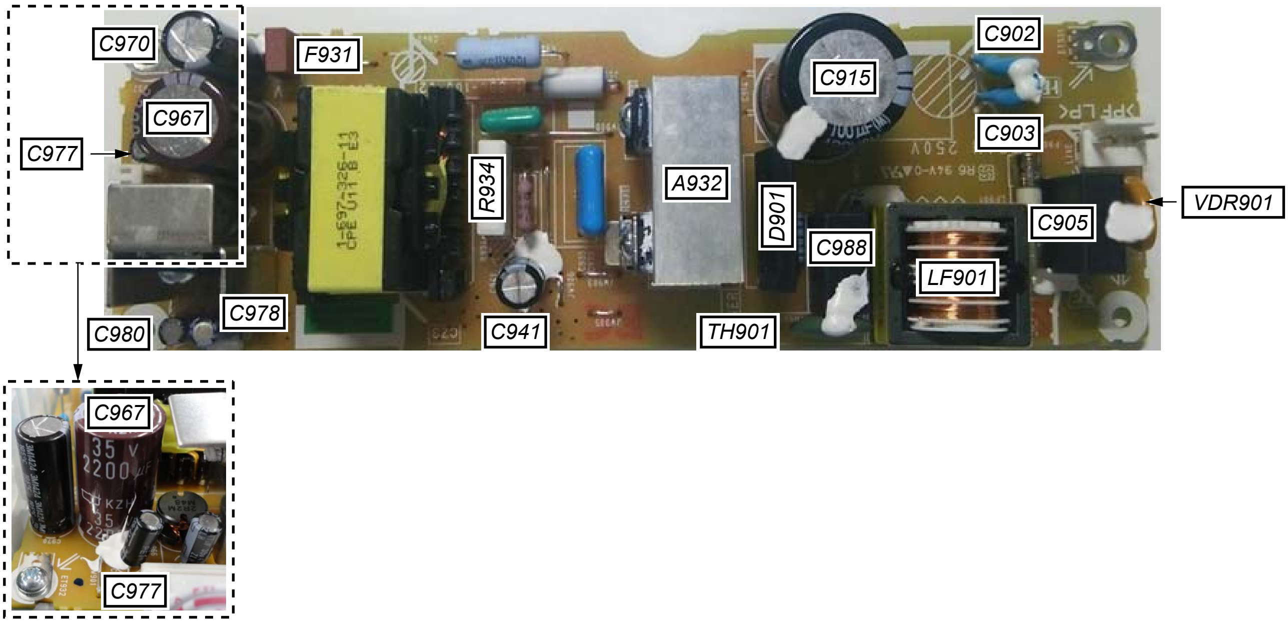
- POWER board:
  C902, C903, C905, C914 or C915, C941, C967, C970, C977, C978, C980, C988, D901, F931, LF901, R934, TH901, VDR901
  (C978, C980: Except US, Canadian and Taiwan models only)

– POWER Board (Component Side) –
(US, Canadian and Taiwan models)



– Side view –

– POWER Board (Component Side) –
(Except US, Canadian and Taiwan models)

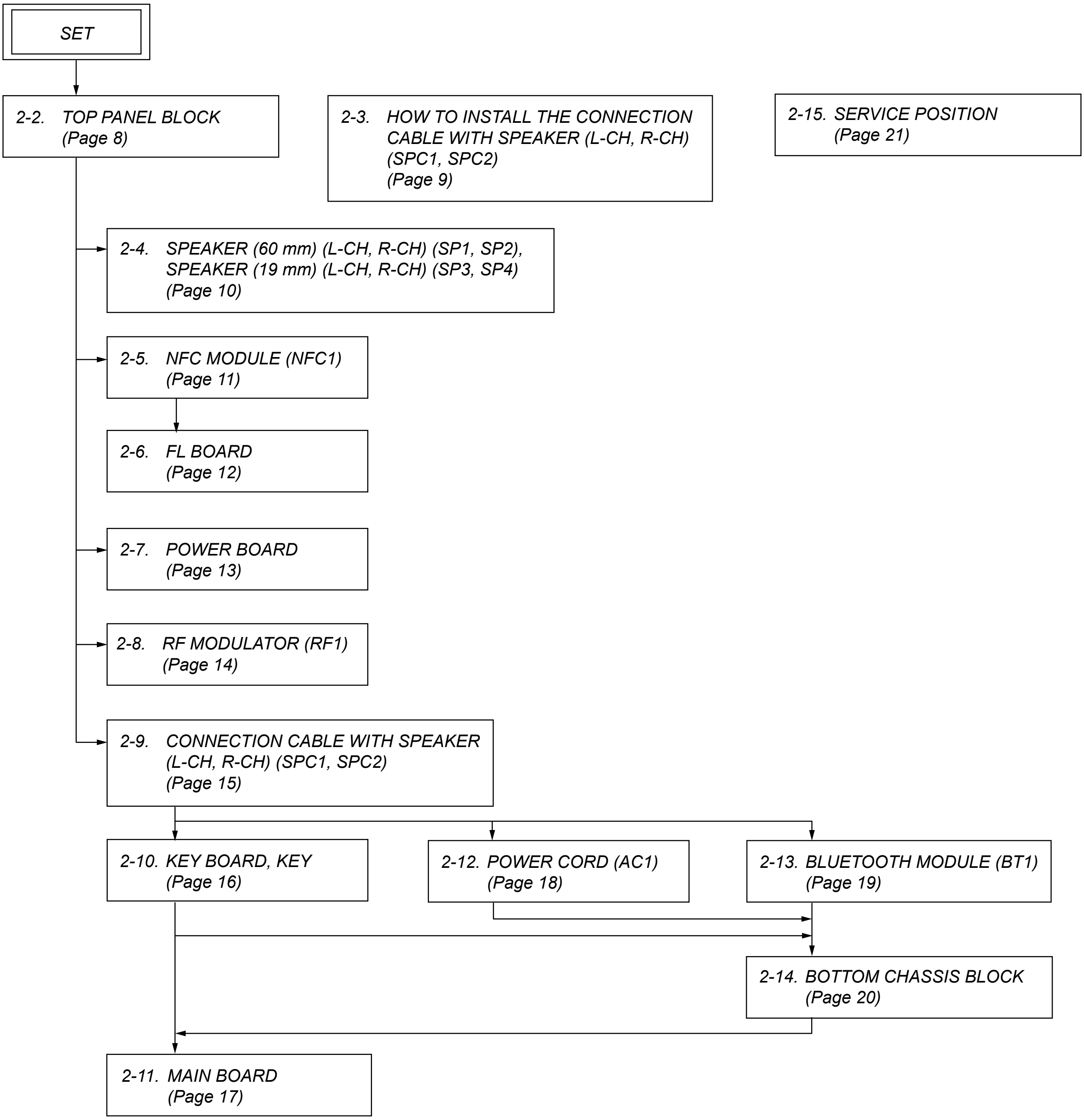


– Side view –

SECTION 2
DISASSEMBLY

- This set can be disassembled in the order shown below.

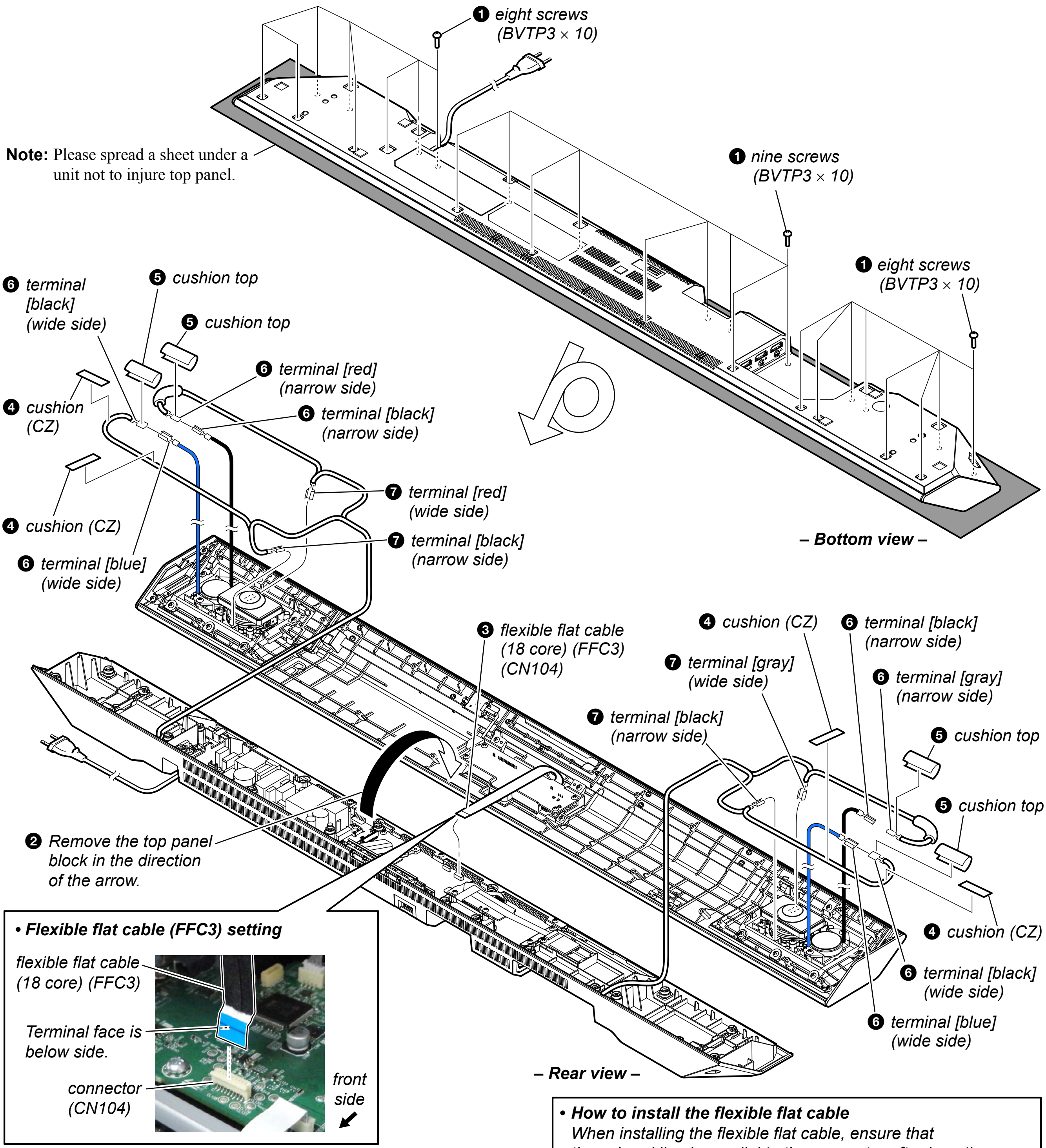
2-1. DISASSEMBLY FLOW



Note: Follow the disassembly procedure in the numerical order given.

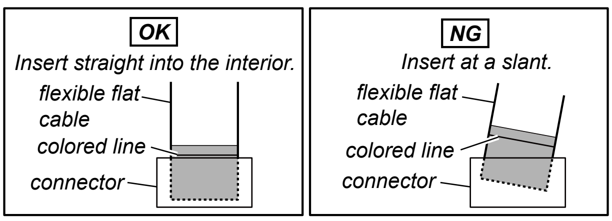
2-2. TOP PANEL BLOCK

- For the speaker cable setting, see page 9.

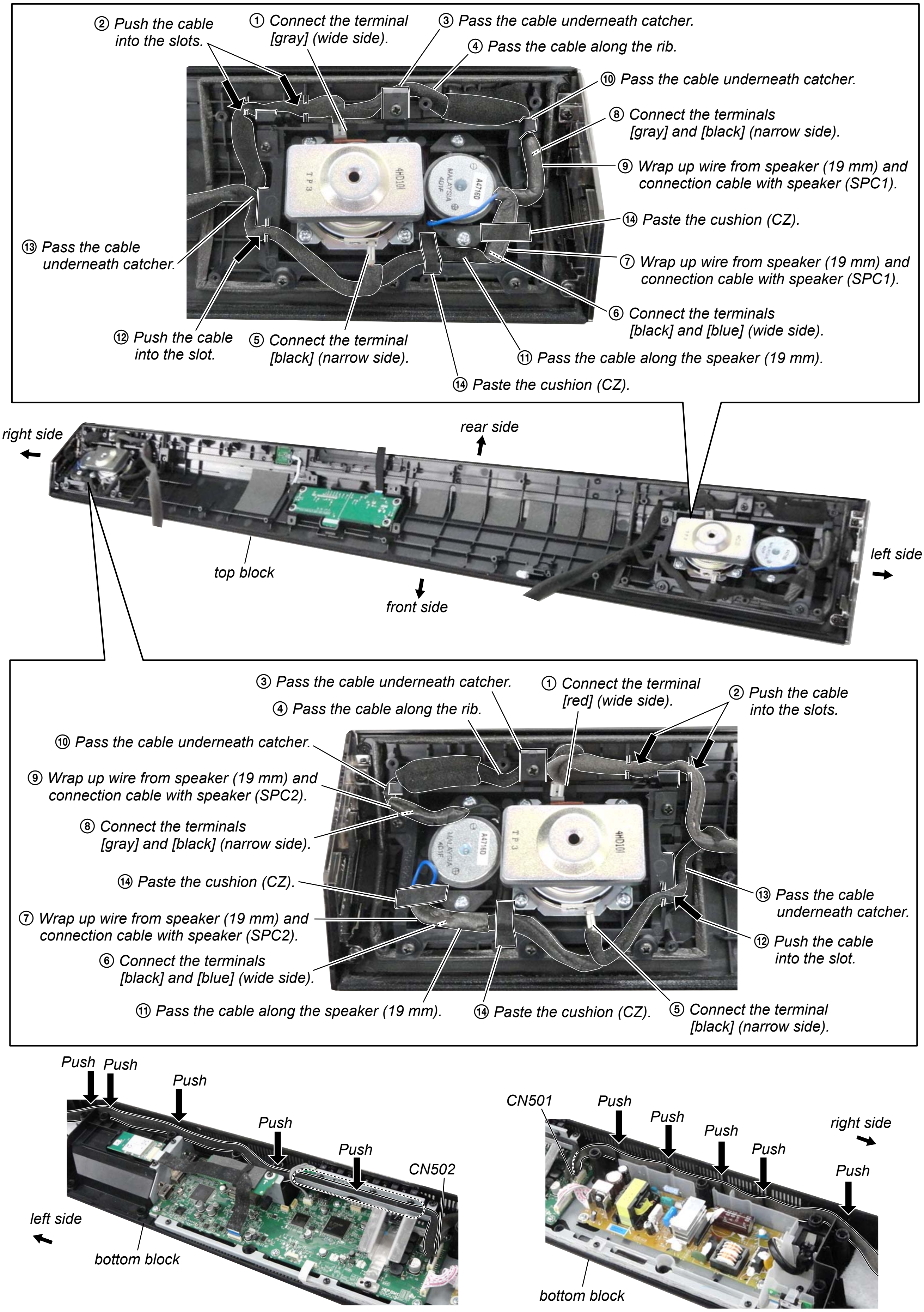


• How to install the flexible flat cable

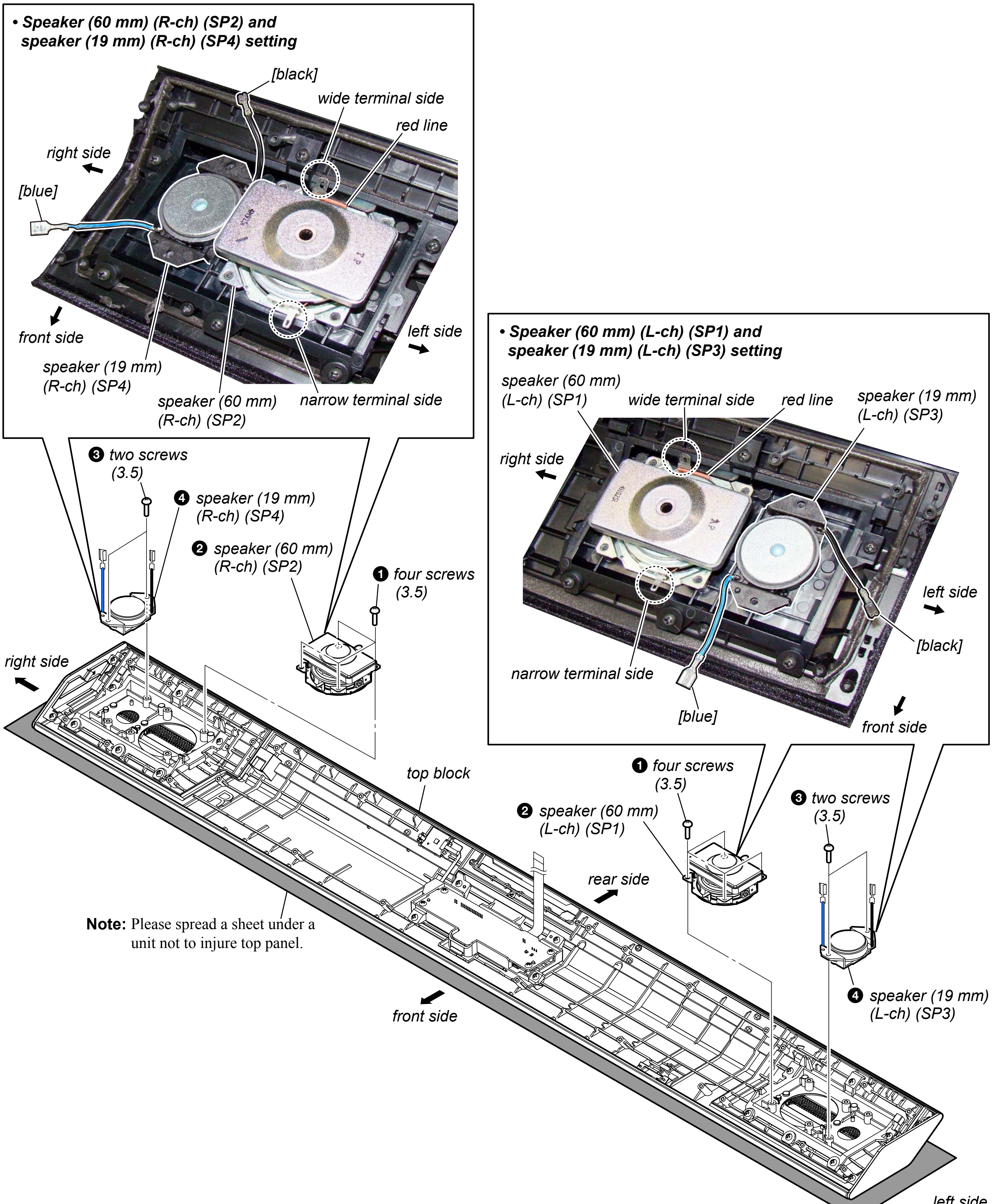
When installing the flexible flat cable, ensure that the colored line is parallel to the connector after insertion.



2-3. HOW TO INSTALL THE CONNECTION CABLE WITH SPEAKER (L-CH, R-CH) (SPC1, SPC2)

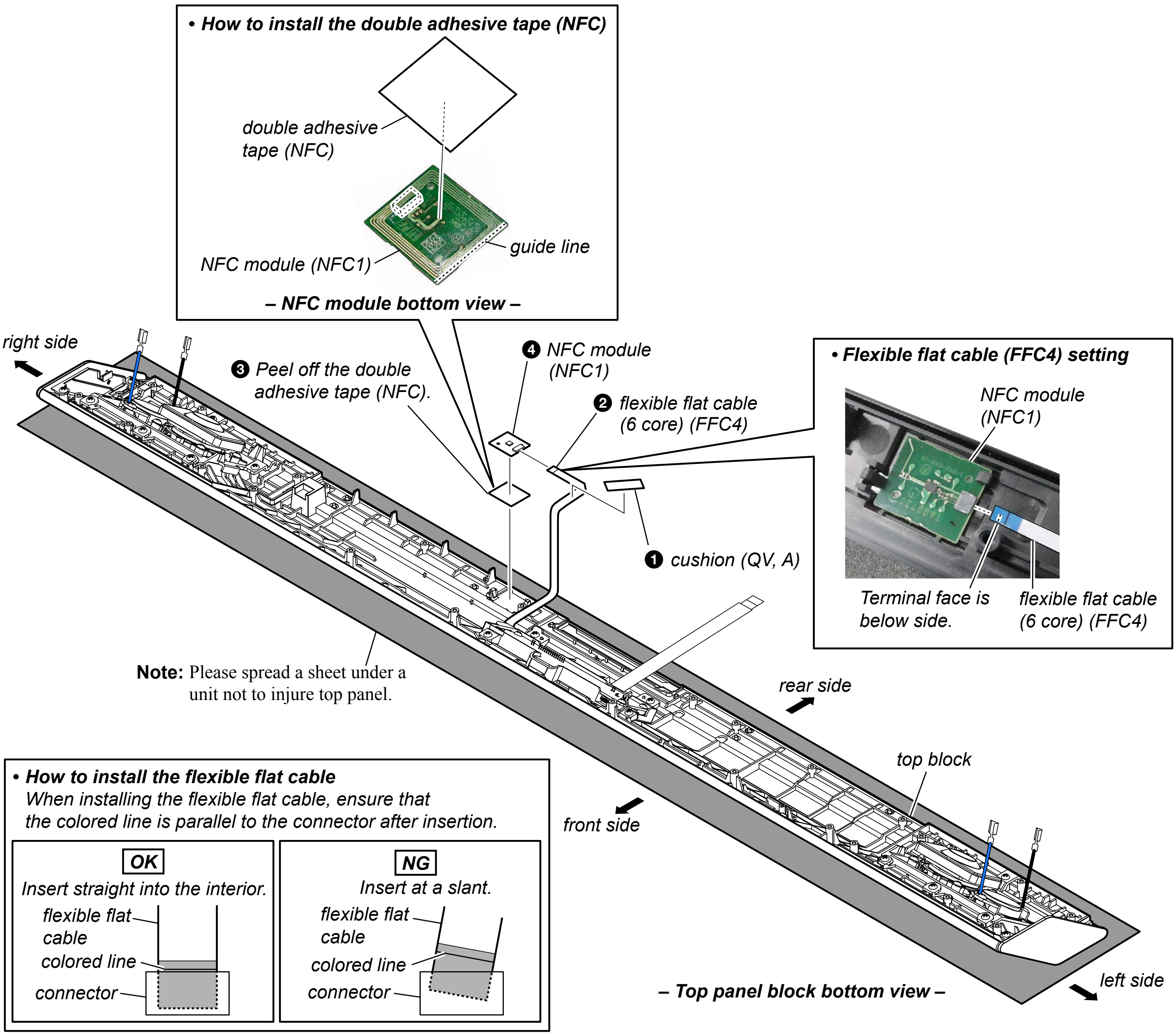


2-4. SPEAKER (60 mm) (L-CH, R-CH) (SP1, SP2), SPEAKER (19 mm) (L-CH, R-CH) (SP3, SP4)

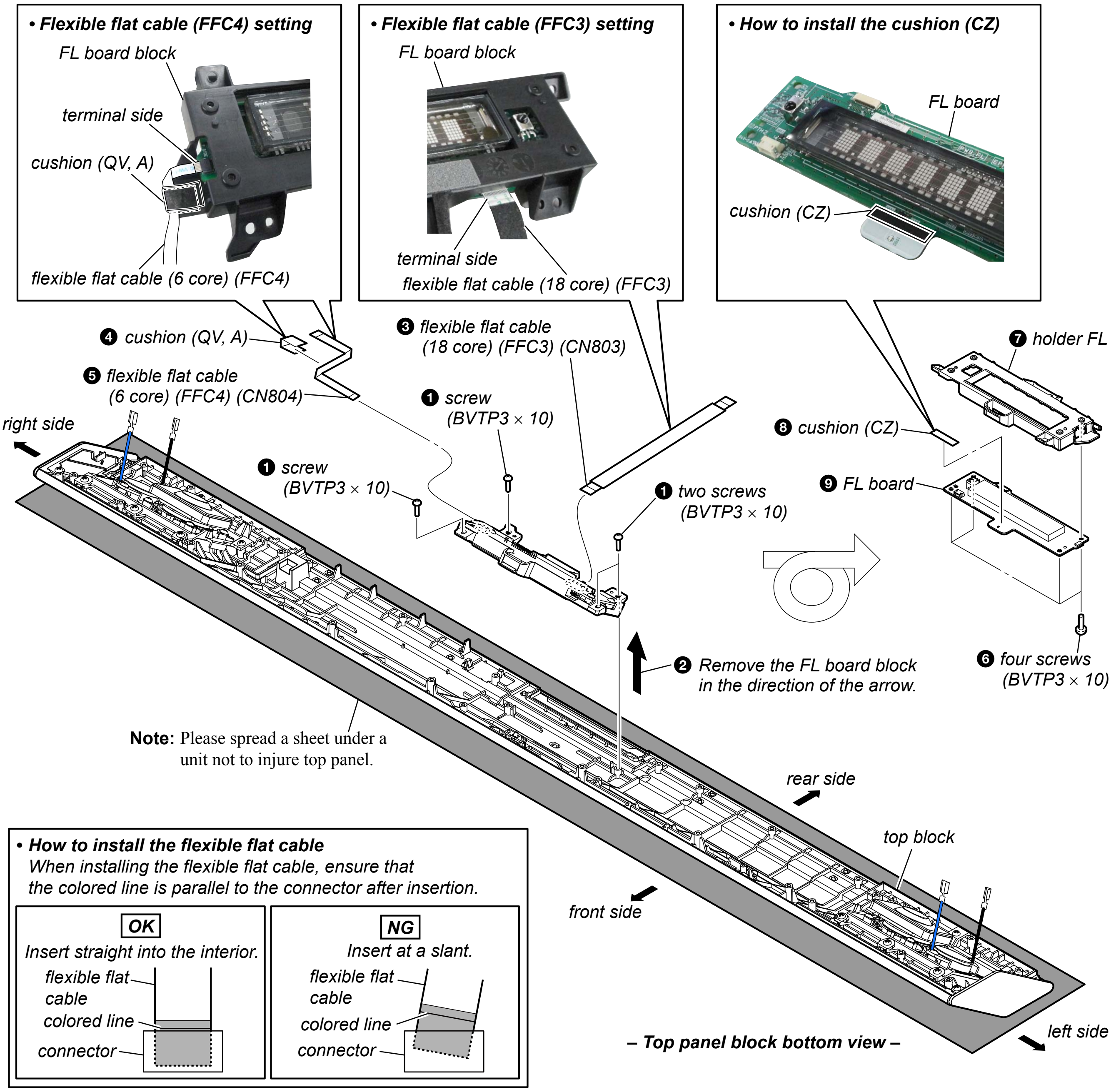


– Top panel block bottom view –

2-5. NFC MODULE (NFC1)

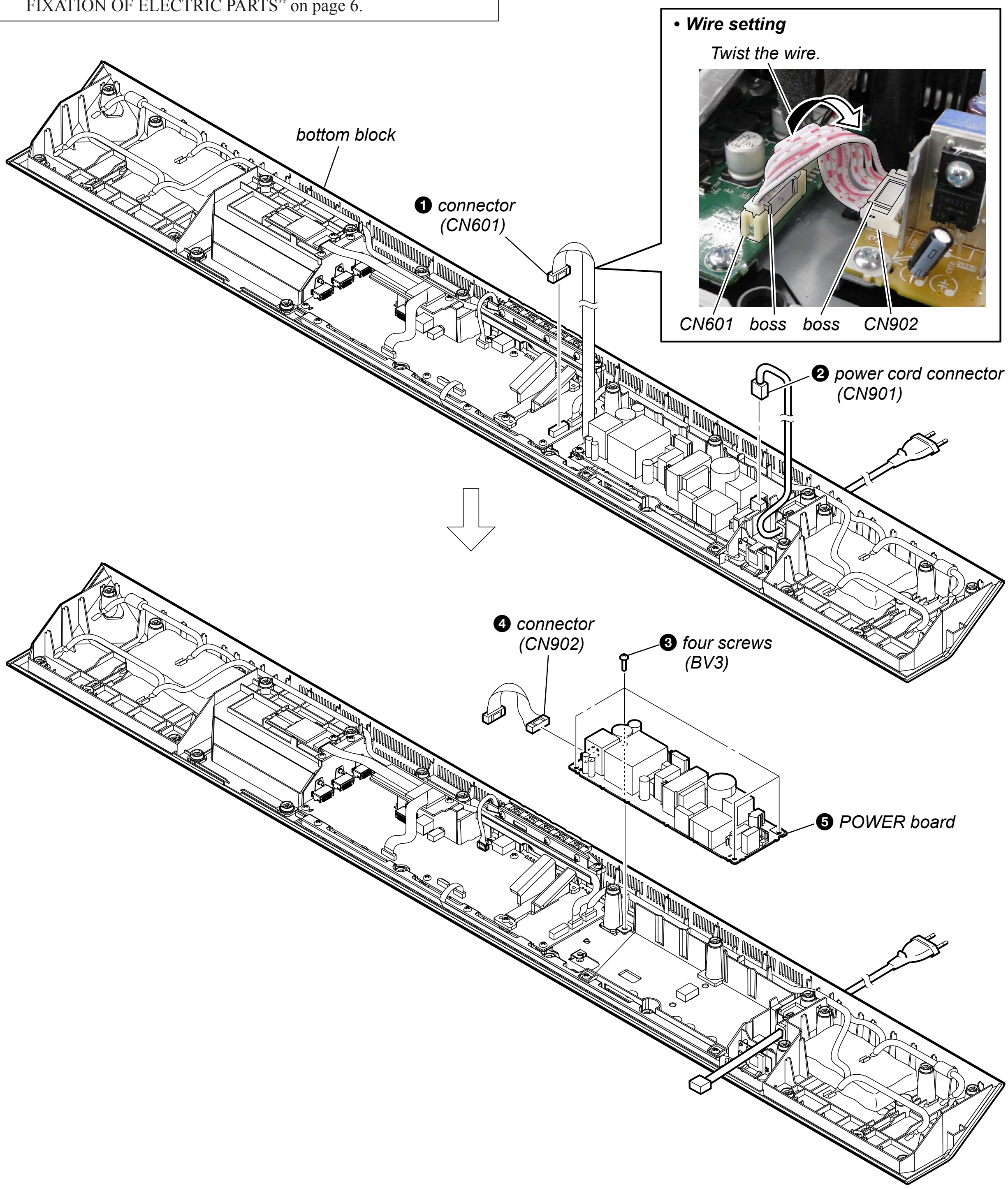


2-6. FL BOARD

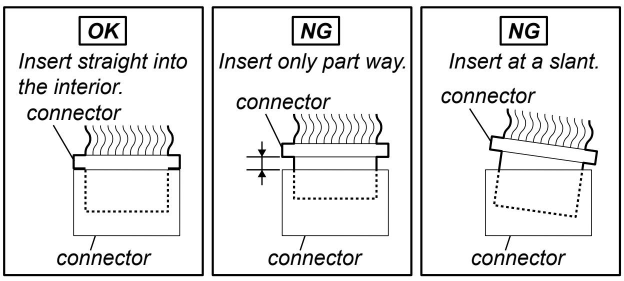

• Flexible flat cable (FFC4) setting
FL board block
terminal side
cushion (QV, A)
flexible flat cable (6 core) (FFC4)
• Flexible flat cable (FFC3) setting
FL board block
terminal side
flexible flat cable (18 core) (FFC3)
• How to install the cushion (CZ)
FL board
cushion (CZ)
4 cushion (QV, A)
5 flexible flat cable (6 core) (FFC4) (CN804)
3 flexible flat cable (18 core) (FFC3) (CN803)
1 screw (BVTP3 × 10)
1 screw (BVTP3 × 10)
1 two screws (BVTP3 × 10)
right side
7 holder FL
8 cushion (CZ)
9 FL board
6 four screws (BVTP3 × 10)
2 Remove the FL board block in the direction of the arrow.
Note: Please spread a sheet under a unit not to injure top panel.
rear side
top block
front side
left side
– Top panel block bottom view –
• How to install the flexible flat cable
When installing the flexible flat cable, ensure that the colored line is parallel to the connector after insertion.
OK
Insert straight into the interior.
flexible flat cable
colored line
connector
NG
Insert at a slant.
flexible flat cable
colored line
connector

2-7. POWER BOARD

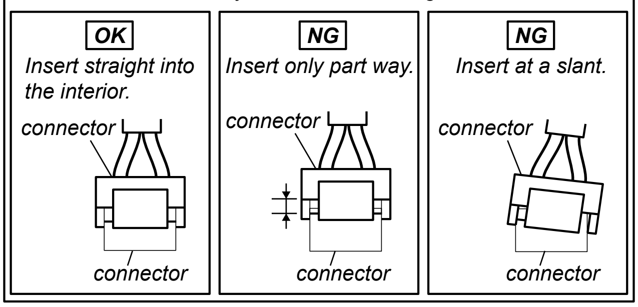
Note: When the complete POWER board is replaced, refer to "BOND FIXATION OF ELECTRIC PARTS" on page 6.



• How to install the connector
Insert the connector straight into the interior.
There is a possibility that using this unit without the connector correctly installed will damage it.

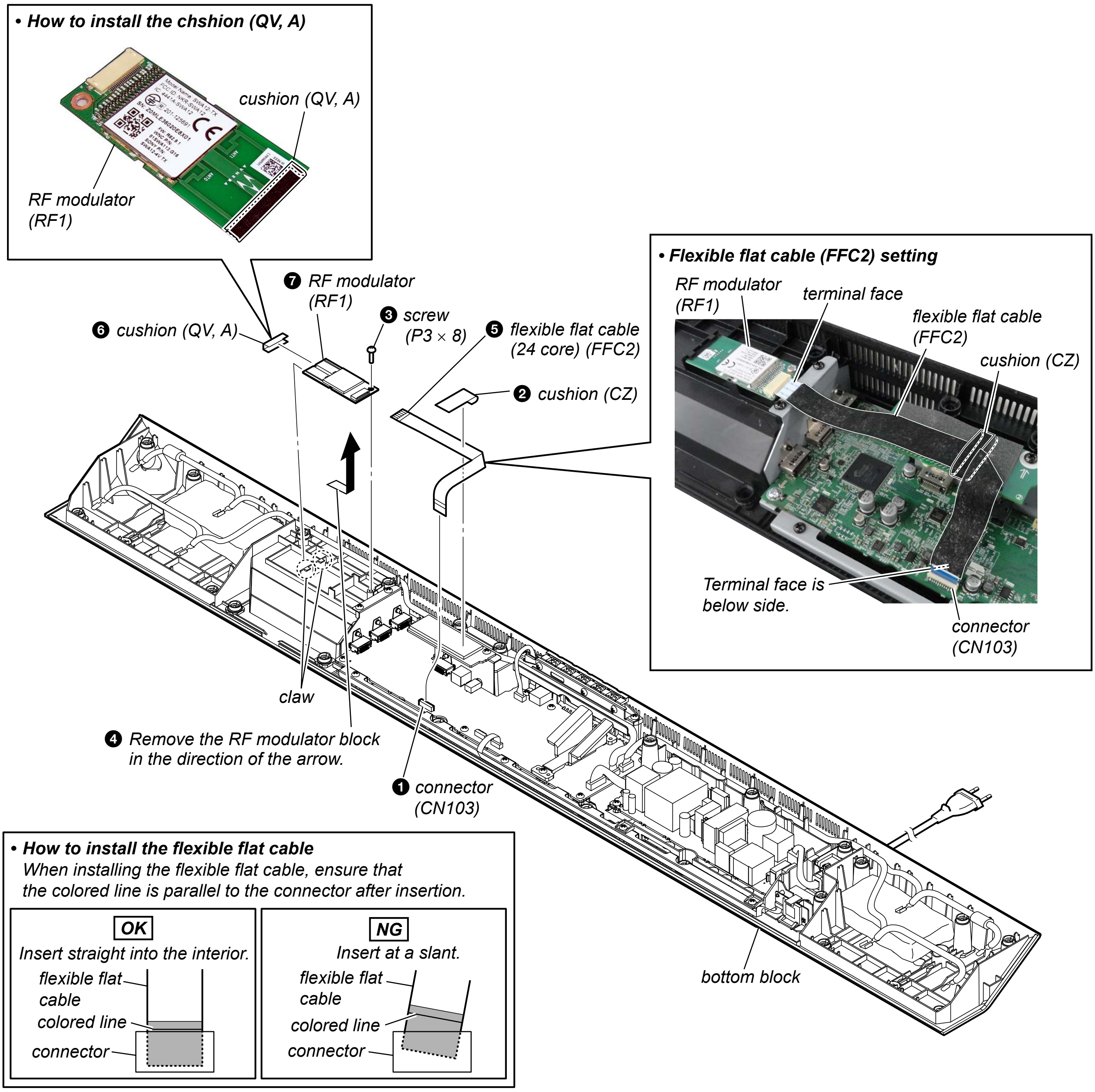


• How to install the power cord connector
Insert the connector straight into the interior.
There is a possibility that using this unit without the connector correctly installed will damage it.

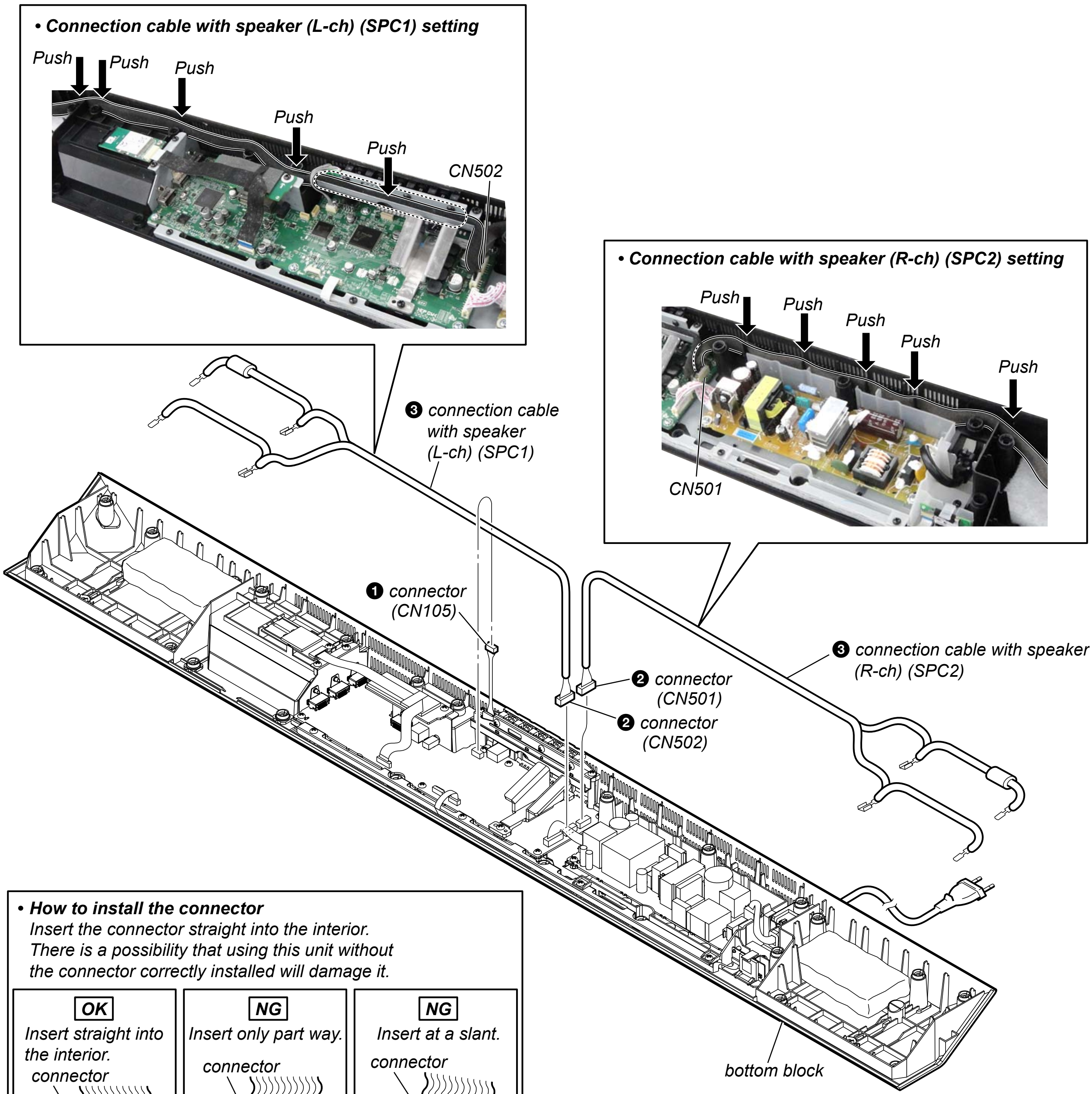


2-8. RF MODULATOR (RF1)

Note: When the RF modulator (Ref. No. RF1) is replaced, refer to "NOTES ON THE WIRELESS CONNECTION (LINK) AFTER REPAIRS ARE COMPLETE" on page 5.

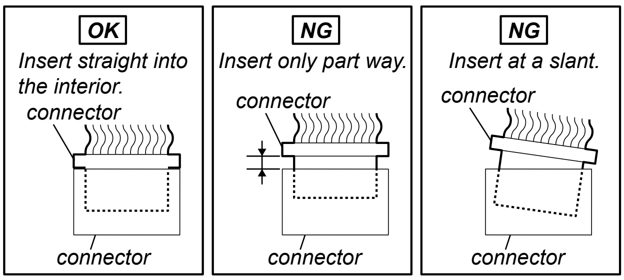


2-9. CONNECTION CABLE WITH SPEAKER (L-CH, R-CH) (SPC1, SPC2)

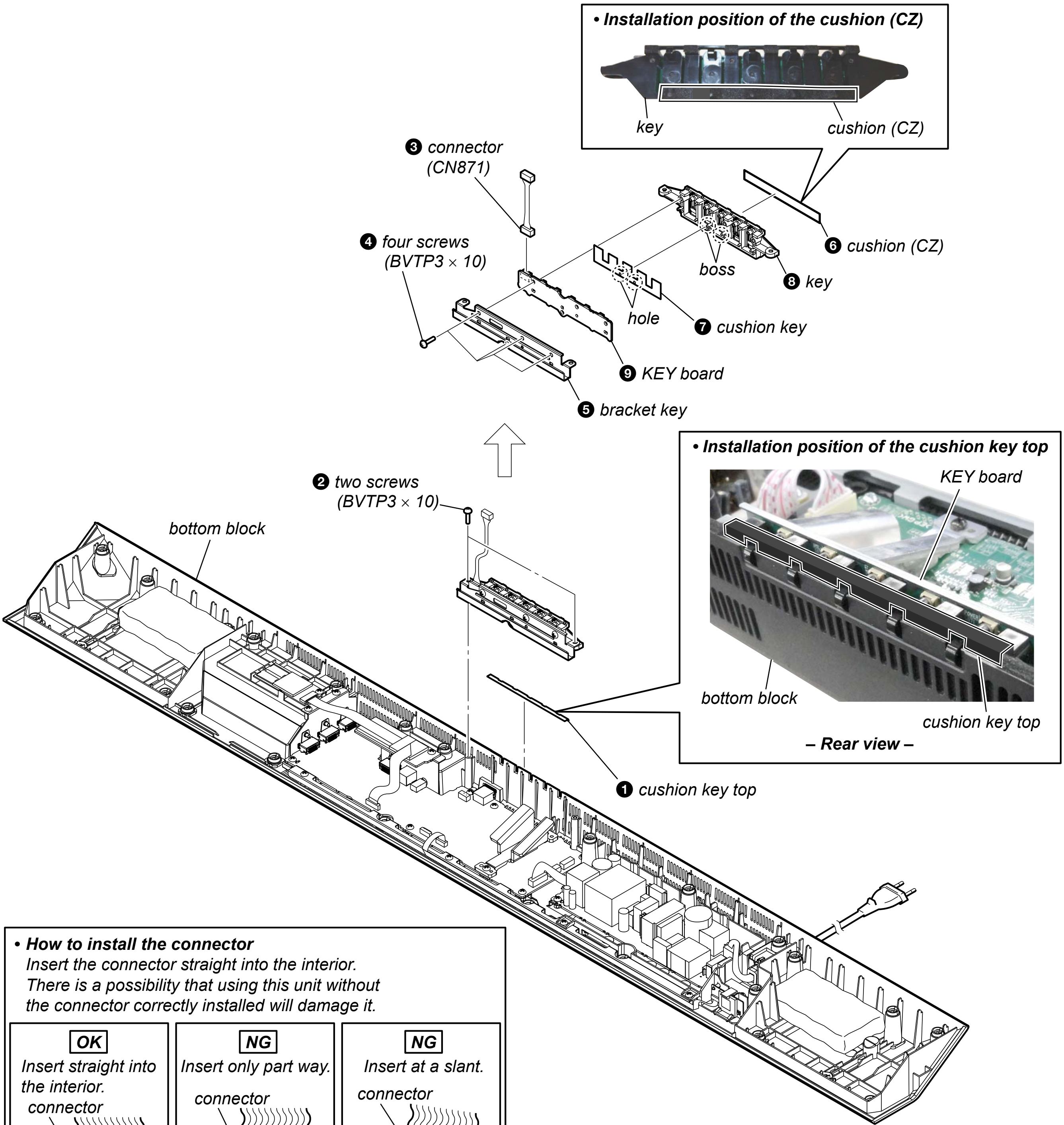


• How to install the connector

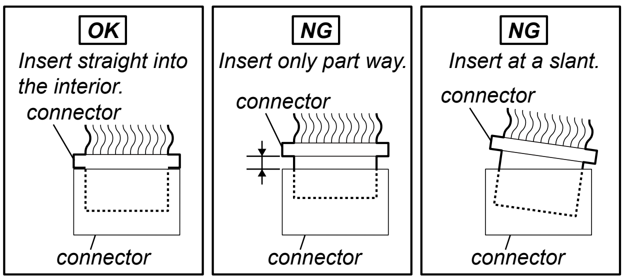
Insert the connector straight into the interior.
There is a possibility that using this unit without the connector correctly installed will damage it.



2-10. KEY BOARD, KEY



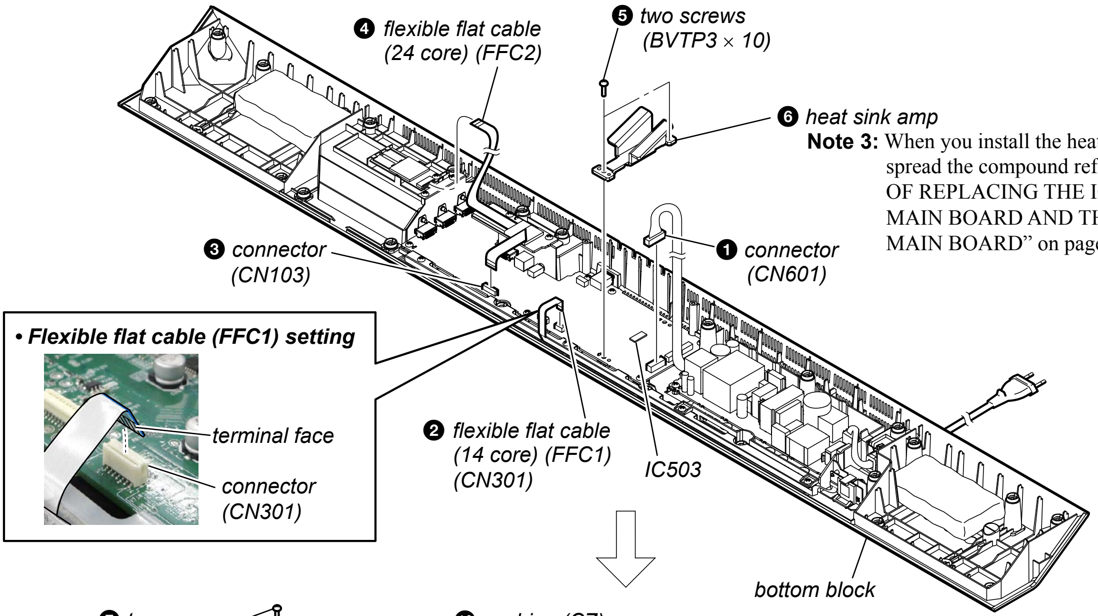
• How to install the connector
Insert the connector straight into the interior.
There is a possibility that using this unit without the connector correctly installed will damage it.



2-11. MAIN BOARD

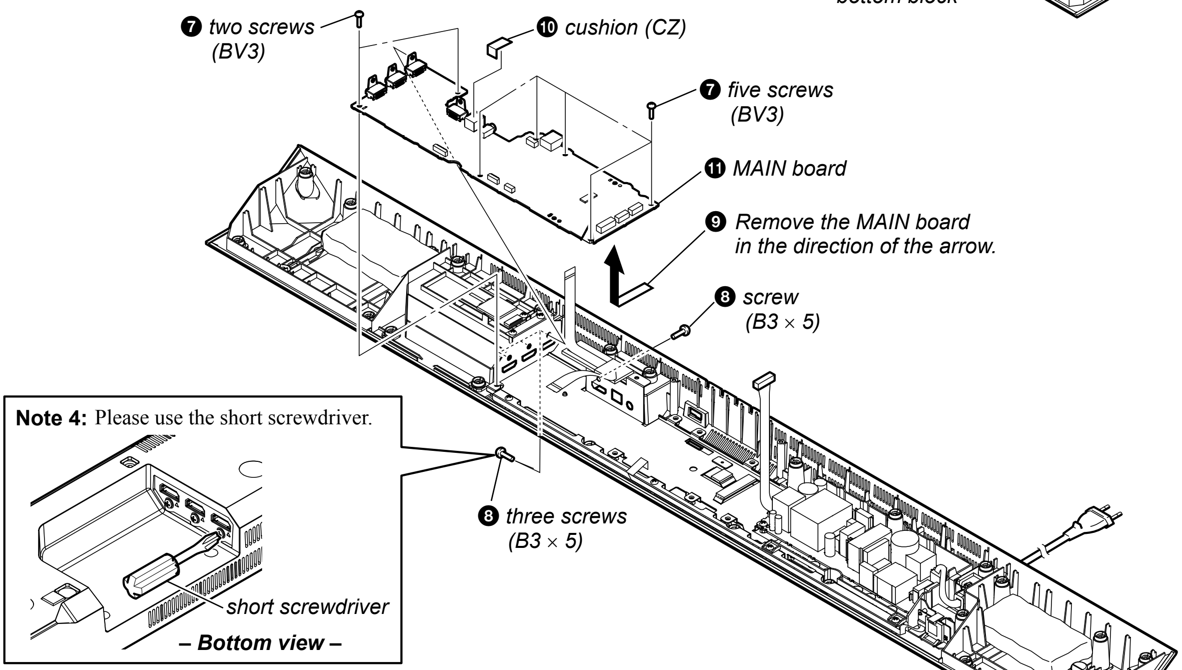
Note 1: When removing the MAIN board, you need the full length is short screwdriver.
If that has not been available a short screwdriver, remove the MAIN board after removing the bottom chassis block, refer to "2-14. BOTTOM CHASSIS BLOCK" on page 20.

Note 2: When the complete MAIN board is replaced, refer to "NOTE OF REPLACING THE IC503 ON THE MAIN BOARD AND THE COMPLETE MAIN BOARD" and "NOTES ON THE WIRELESS CONNECTION (LINK) AFTER REPAIRS ARE COMPLETE" on page 5.

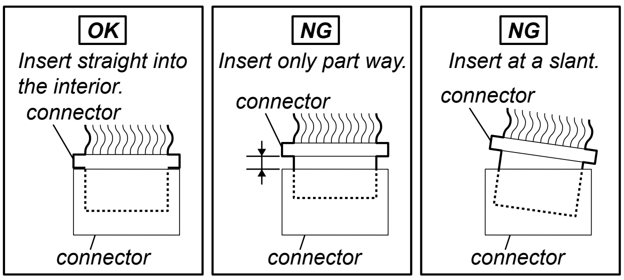


Note 3: When you install the heat sink amp, spread the compound referring to "NOTE OF REPLACING THE IC503 ON THE MAIN BOARD AND THE COMPLETE MAIN BOARD" on page 5.

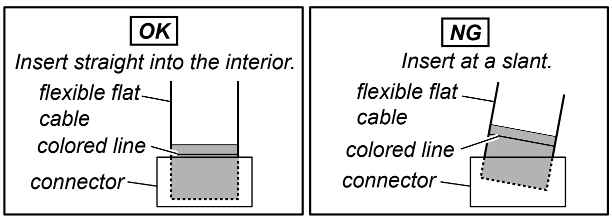
Note 4: Please use the short screwdriver.



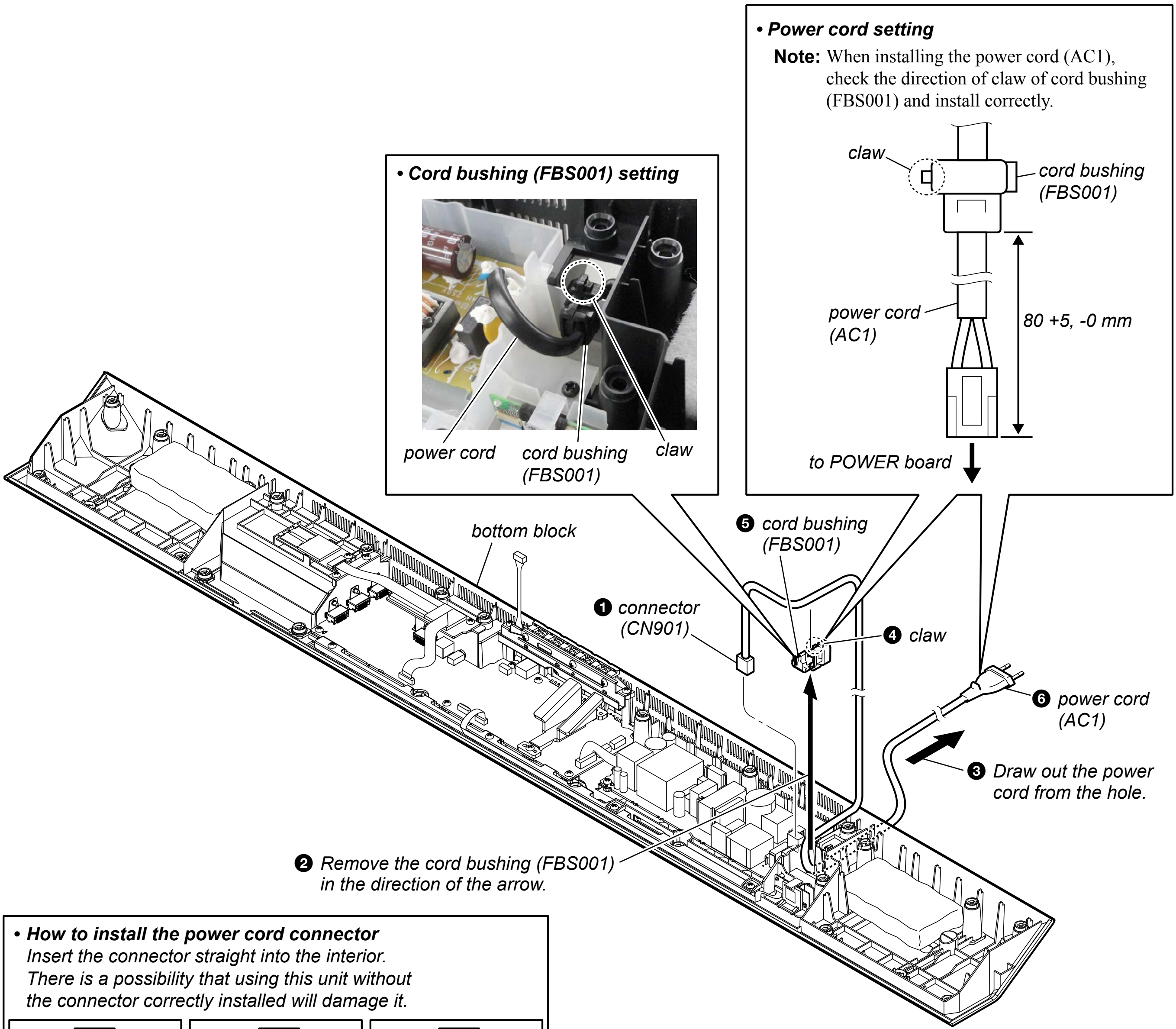
• How to install the connector
Insert the connector straight into the interior.
There is a possibility that using this unit without the connector correctly installed will damage it.



• How to install the flexible flat cable
When installing the flexible flat cable, ensure that the colored line is parallel to the connector after insertion.

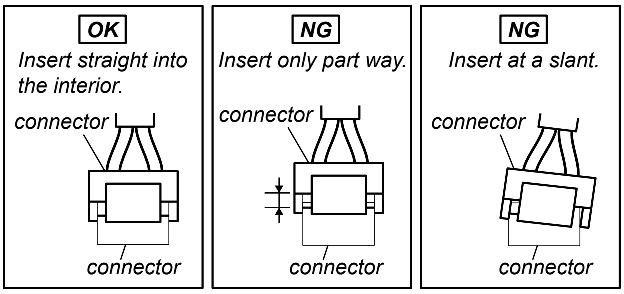


2-12. POWER CORD (AC1)



• How to install the power cord connector

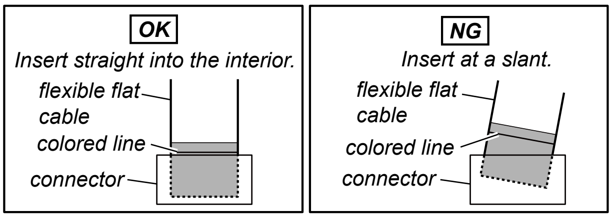
Insert the connector straight into the interior.
There is a possibility that using this unit without the connector correctly installed will damage it.



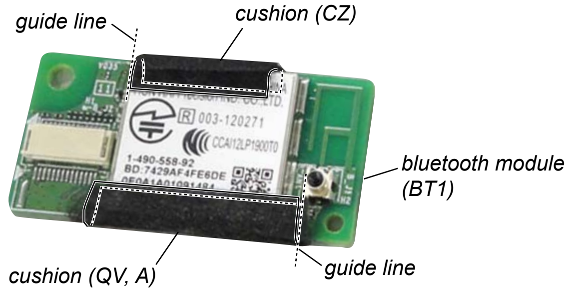
2-13. BLUETOOTH MODULE (BT1)

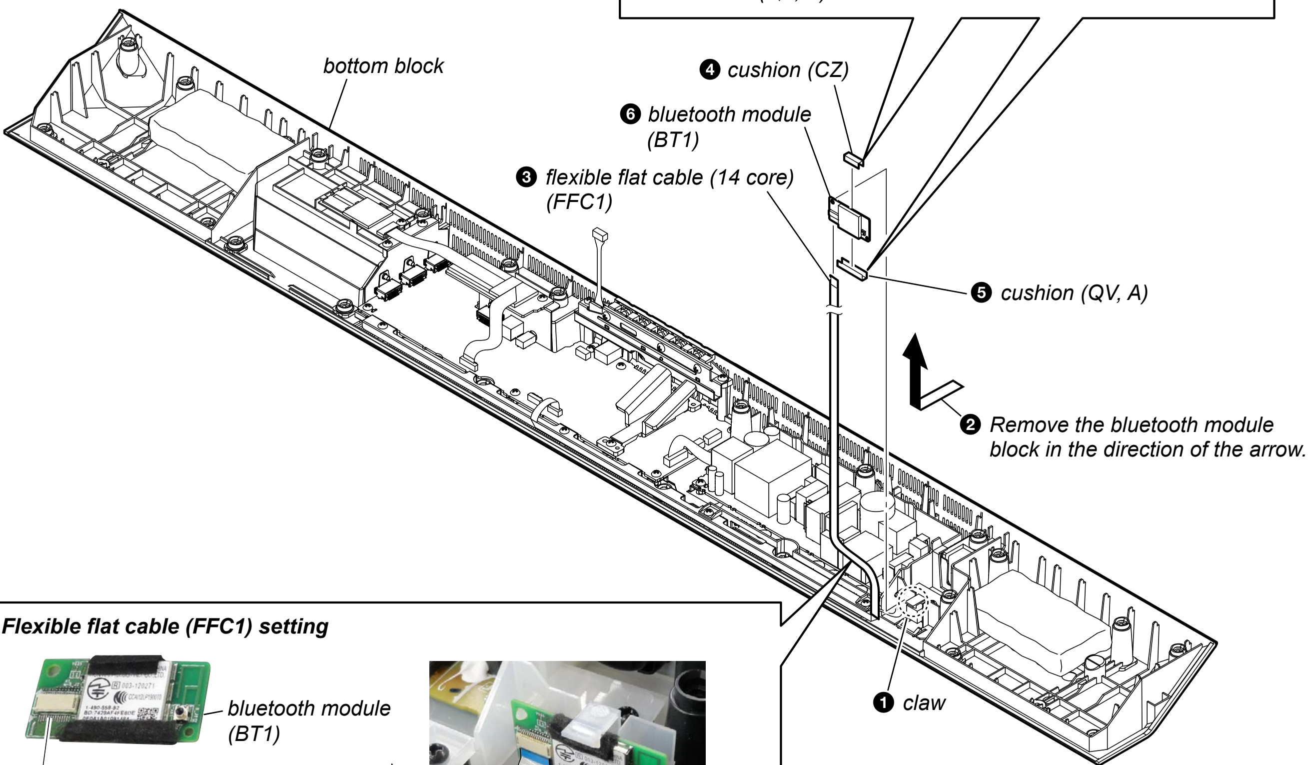
• How to install the flexible flat cable

When installing the flexible flat cable, ensure that the colored line is parallel to the connector after insertion.

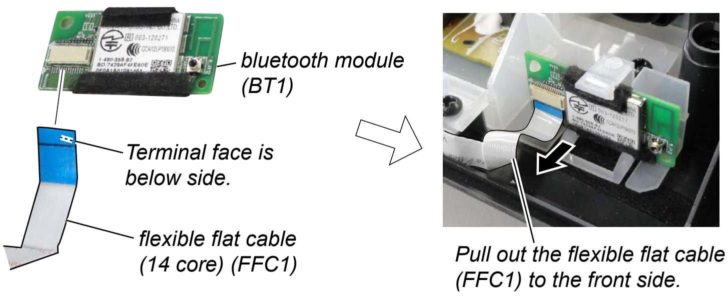


• Installation position of the cushion (CZ) and cushion (QV, A)





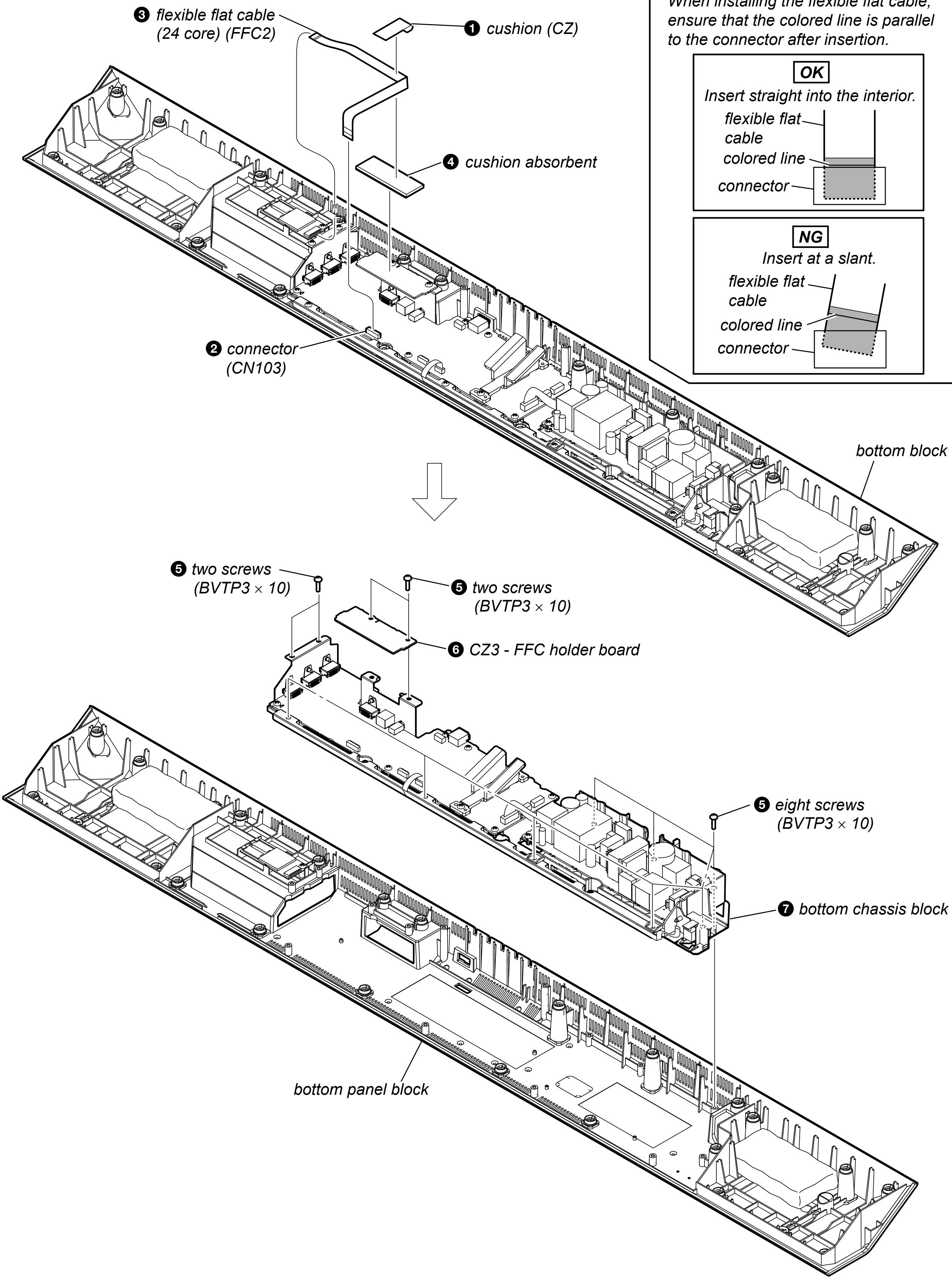
• Flexible flat cable (FFC1) setting



Pull out the flexible flat cable (FFC1) to the front side.

Note: Do not pinch the flexible flat cable (FFC1) under the bluetooth module (BT1).

2-14. BOTTOM CHASSIS BLOCK



- ***How to install the flexible flat cable***
  When installing the flexible flat cable, ensure that the colored line is parallel to the connector after insertion.

OK

Insert straight into the interior.

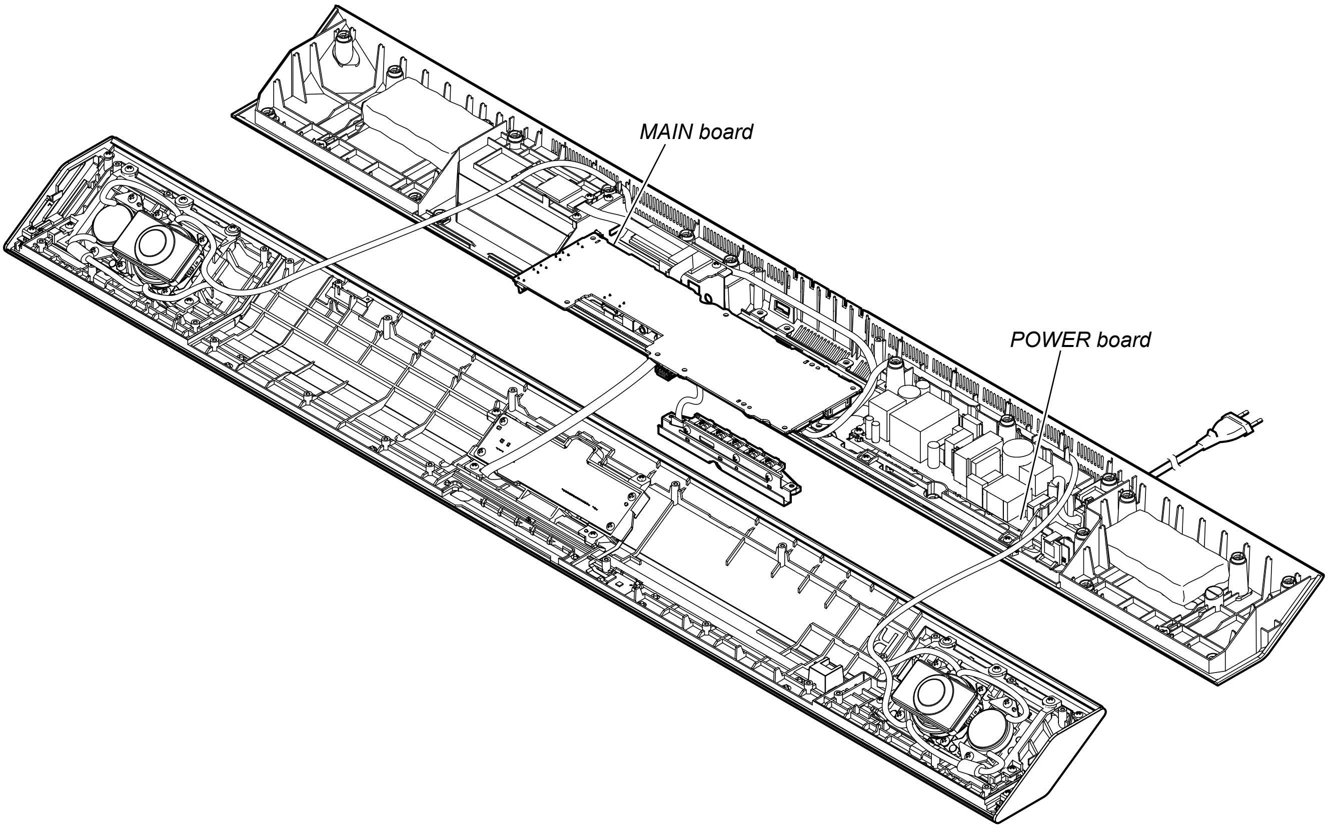
flexible flat cable
colored line
connector

NG

Insert at a slant.

flexible flat cable
colored line
connector

2-15. SERVICE POSITION

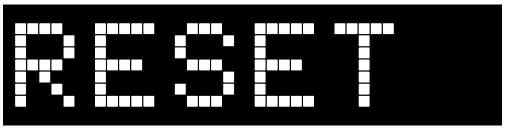


SECTION 3
TEST MODE

1. TEST MODES OTHER THAN THE TEST MODE MENU
These are executable test mode even if not entering the test mode menu.

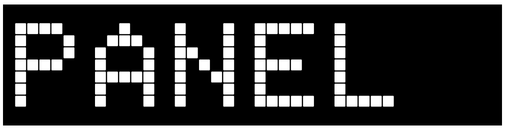
1-1. Cold Reset
It can initialize various backup information.

Procedure:
1. Press the [I/⏻] button to turn the power on.
2. Press the [I/⏻] button for ten seconds.
3. The message "RESET" is displayed on the fluorescent indicator tube, then turn the power off.



2. TEST MODES IN THE TEST MODE MENU
These are the test modes done in the test mode menu.

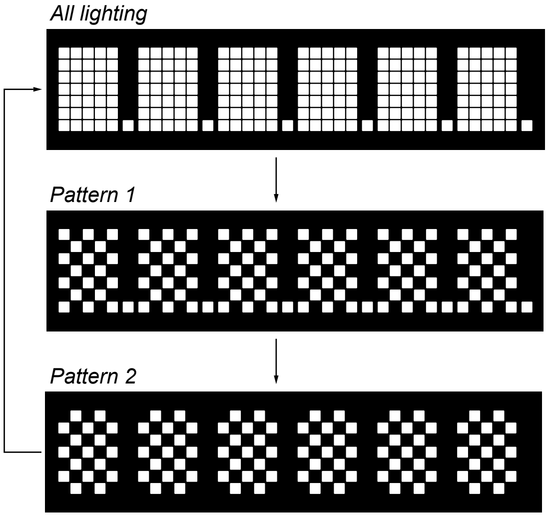
Setting method of the test mode menu:
1. Press the [I/⏻] button to turn the power on.
2. Press the two buttons of the [INPUT] and [VOLUME +] simultaneously for five seconds.
3. The message "PANEL" blinks on the fluorescent indicator tube and enter the test mode menu.



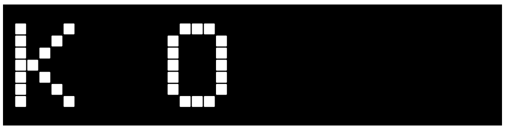
Releasing method of the test mode menu:
Press the [I/⏻] button to release the test mode menu.

2-1. Panel Test Mode
It can check the lighting of fluorescent indicator tube and LED, operation of buttons, display of model name, destination and software version.

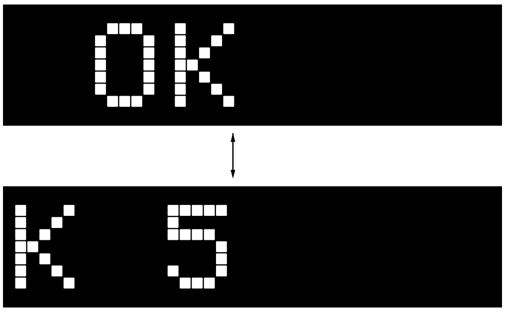
Procedure:
1. Enter the test mode menu.
   (Refer to "Setting method of the test mode menu")
2. In the state of blinking the "PANEL" on the fluorescent indicator tube, press the [INPUT] button.
3. All segments in the fluorescent indicator tube and LED (Bluetooth indicator) are lighted up.
4. When pressing the [VOLUME +] button, the display on the fluorescent indicator tube repeatedly changes in order from all lighting → pattern 1 (Bluetooth indicator lights off) → pattern 2 (Bluetooth indicator lights up).



5. In the state of step 4, press the [VOLUME –] button and "K 0" is displayed on the fluorescent indicator tube.

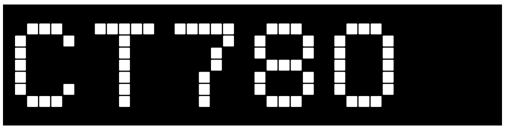


   Each time a button is pressed, "K 0" value increases. However, once a button is pressed, it is no longer taken into account.
   When pressing the all buttons, "OK" and "K 5" are alternately displayed on the fluorescent indicator tube.



– Continued on next page –

6. In the state of step 4, press the [INPUT] button and model name “CT780” is displayed on the fluorescent indicator tube.



Each time the [VOLUME +] button is pressed, the display changes from destination → MC (μ-com) version → SY (system) version → UI version → TA (AMP) version → DS (DSP) version (Not used for the servicing) → BT (Bluetooth) version → NF (NFC) version → HD (HDMI) version, → CE (CEC) version → PF (platform) version → WS (wireless sound) version in this order, and returns to the model name display.

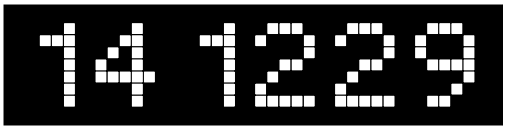
Note: Refer to the “2-5. Serial Flash Version Display Mode” and “2-6. DSP Sound Number Display Mode” for the DS (DSP) version on page 24.



(Displayed characters/values in the above figure are example)

Destination	Display
Except AEP and UK models	NA
AEP and UK models	CE2

7. When [INPUT] button is pressed while the each version is displayed on the fluorescent indicator tube, year, month and day of the software creation is displayed on the fluorescent indicator tube.



(Displayed values in the above figure are example)

When [INPUT] button is pressed again, the display returns to the each version display.

Releasing method:

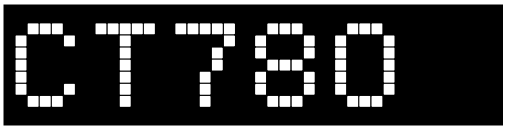
Press the [I/⏻] button to release the test mode menu.
(When the “K 0” to “K 4” is displayed on the fluorescent indicator tube, press the [I/⏻] button on the remote commander to release the test mode menu)

2-2. Model Name Display Mode

It can display the model name.

Procedure:

1. Enter the test mode menu.
   (Refer to “Setting method of the test mode menu” on page 22)
2. Press the [VOLUME +]/[VOLUME –] buttons to select the model name “CT780”.



2-3. Destination Display Mode

It can display the destination.

Procedure:

1. Enter the test mode menu.
   (Refer to “Setting method of the test mode menu” on page 22)
2. Press the [VOLUME +]/[VOLUME –] buttons to select the destination.

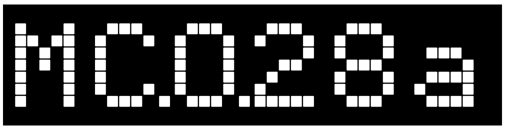


(Displayed characters in the above figure are example)

Destination	Display
Except AEP and UK models	NA
AEP and UK models	CE2

2-4. MC Version Display Mode
It can display the MC (μ-com) version.

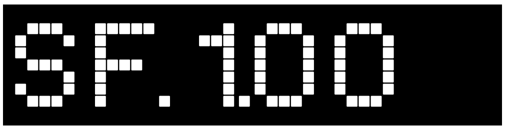
Procedure:
1. Enter the test menu.
   (Refer to “Setting method of the test mode menu” on page 22)
2. Press the [VOLUME +]/[VOLUME –] buttons to select the “MC.X.XXX” (X.XXX: MC (μ-com) version).



(Displayed values in the above figure are example)

2-5. Serial Flash Version Display Mode
It can display the SF (serial flash) version.

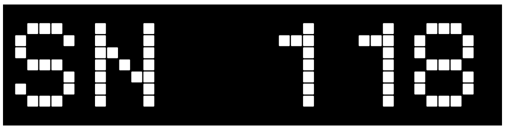
Procedure:
1. Enter the test menu.
   (Refer to “Setting method of the test mode menu” on page 22)
2. Press the [VOLUME +]/[VOLUME –] buttons to select the “SF.X.XX” (X.XX: SF (serial flash) version).



(Displayed values in the above figure are example)

2-6. DSP Sound Number Display Mode
It can display the SN (DSP sound number).

Procedure:
1. Enter the test menu.
   (Refer to “Setting method of the test mode menu” on page 22)
2. Press the [VOLUME +]/[VOLUME –] buttons to select the “SN XXX” (XXX: DSP sound number (000 to 998)).

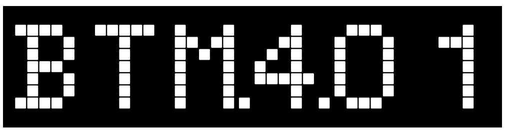


(Displayed values in the above figure are example)

Note: “SN ---” is displayed when the information of serial flash is not able to be acquired.

2-7. BT Module F/W Version Display Mode
It can display the BT (Bluetooth) module firmware version.

Procedure:
1. Enter the test menu.
   (Refer to “Setting method of the test mode menu” on page 22)
2. Press the [VOLUME +]/[VOLUME –] buttons to select the “BTM.X.XX” (X.XX: BT (Bluetooth) module firmware version).



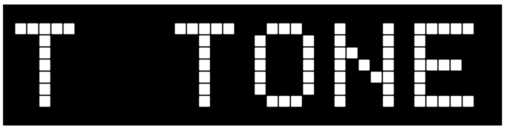
(Displayed values in the above figure are example)

2-8. AMP Test Mode
(It is displayed “AMP” on the fluorescent indicator tube)
Not used for the servicing.
Press the [I/⏻] button if having entered this mode.

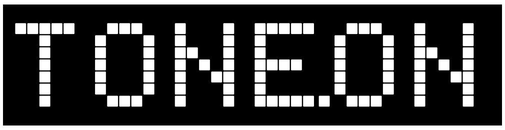
2-9. Tone Test Mode
It can check the test tone output from each speaker.

Preparation:
Connect the Bar Speaker (SA-CT780) and the Subwoofer (SA-WCT780) by wireless.

Procedure:
1. Enter the test mode menu.
   (Refer to “Setting method of the test mode menu” on page 22)
2. Press the [VOLUME +]/[VOLUME –] buttons to select the “T TONE”, press the [INPUT] button.



3. The message “TONE.ON” is displayed on the fluorescent indicator tube momentarily and enter the tone test mode.



4. The output speaker is displayed on the fluorescent indicator tube. At the same time, test tone is output from speaker.
   (The output speaker repeatedly changes automatically in following order)

Output speaker	Display
Front L-ch	FL
Front R-ch	FR
Subwoofer	SW

Releasing method:
Press the [I/⏻] button to release the test mode menu.

2-10. Speaker Test Mode
(It is displayed “SPK.TST” on the fluorescent indicator tube)
Not used for the servicing.
Press the [I/⏻] button if having entered this mode.

2-11. VACS Display Mode
(It is displayed “V. DISP” on the fluorescent indicator tube)
Not used for the servicing.
Press the [I/⏻] button if having entered this mode.

2-12. VACS ON/OFF Mode
(It is displayed “V.ONOFF” on the fluorescent indicator tube)
Not used for the servicing.
Press the [I/⏻] button if having entered this mode.

2-13. DSP Halt Mode
(It is displayed “DSP.HLT” on the fluorescent indicator tube)
Not used for the servicing.
Press the [I/⏻] button if having entered this mode.

2-14. SW Distance Test Mode

(It is displayed “SW.DIST” on the fluorescent indicator tube)
Not used for the servicing.
Press the [I/⏻] button if having entered this mode.

2-15. HDCP Key Read Mode

(It is displayed “HDCP” on the fluorescent indicator tube)
Not used for the servicing.
Press the [I/⏻] button if having entered this mode.

2-16. NFC Test Mode

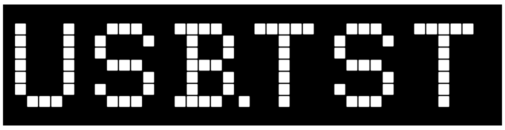
(It is displayed “NFC.TST” on the fluorescent indicator tube)
Not used for the servicing.
Press the [I/⏻] button if having entered this mode.

2-17. USB Test Mode

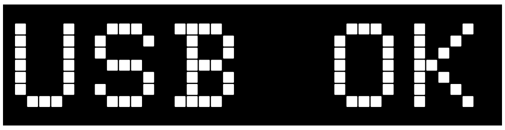
It can check the communication line for the between μ-com and USB.

Procedure:

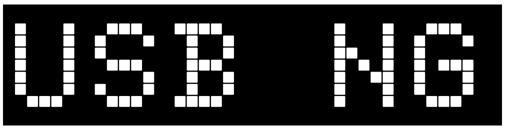
1. Enter the test mode menu.
   (Refer to “Setting method of the test mode menu” on page 22)
2. Press the [VOLUME +]/[VOLUME –] buttons to select the “USB.TST”, press the [INPUT] button.



3. A few seconds later, the check result of the communication line for the between μ-com and USB (“USB OK” or “USB NG”) is displayed on the fluorescent indicator tube.



or



Releasing method:

Press the [I/⏻] button to release the test mode menu.

2-18. Auto Standby Test Mode

(It is displayed “T. STBY” on the fluorescent indicator tube)
Not used for the servicing.
Press the [I/⏻] button if having entered this mode.

2-19. Wireless Sound Test Mode

It can display the μ-com version of Subwoofer (SA-WCT780).

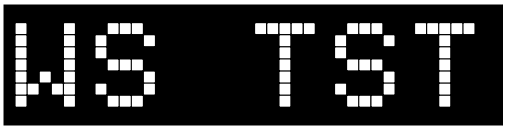
Note : More than one item may be displayed on the fluorescent indicator tube, but it is not used for the servicing other than “VER.CHE”.

Preparation:

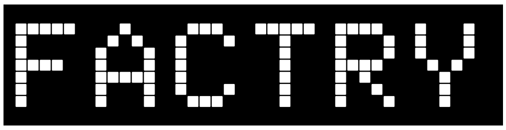
- Prepare the remote commander (RMT-AH101U) attached to this unit.
- Connect the Bar Speaker (SA-CT780) and the Subwoofer (SA-WCT780) by wireless.

Procedure:

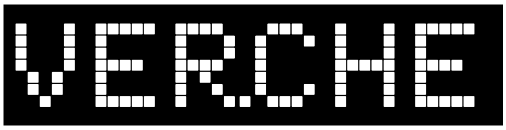
1. Enter the test mode menu.
   (Refer to “Setting method of the test mode menu” on page 22)
2. Press the [VOLUME +]/[VOLUME –] buttons to select the “WS TST”, press the [INPUT] button.



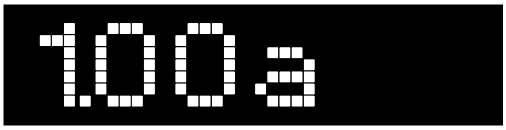
3. The message “FACTRY” is displayed on the fluorescent indicator tube and enter the wireless sound test mode.



4. Press the [↑]/[↓] buttons on the remote commander, select the “VER.CHE”, and press the [ENTER] button on the remote commander.

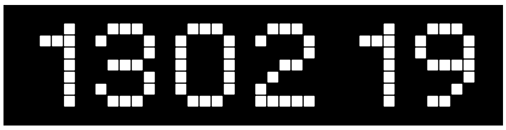


5. The μ-com version of Subwoofer (SA-WCT780) is displayed on the fluorescent indicator tube.



(Displayed values in the above figure are example)

6. When [↑]/[↓] buttons on the remote commander is pressed while the μ-com version of Subwoofer (SA-WCT780) is displayed on the fluorescent indicator tube, year, month and day of the creation is displayed on the fluorescent indicator tube.



(Displayed values in the above figure are example)

When [↑]/[↓] buttons on the remote commander is pressed again, the display returns to the μ-com version of Subwoofer (SA-WCT780) display.

Releasing method:

Press the [I/⏻] button to release the test mode menu.

2-20. Wireless Sound Cold Reset

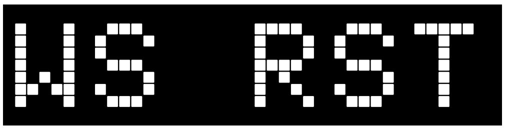
It can initialize various backup information of Subwoofer (SA-WCT780).

Preparation:

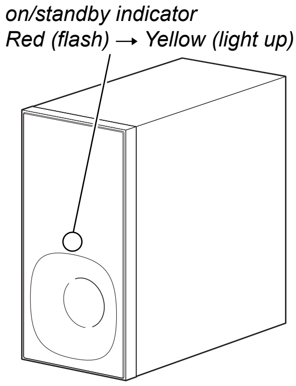
Connect the Bar Speaker (SA-CT780) and the Subwoofer (SA-WCT780) by wireless.

Procedure:

1. Enter the test mode menu.
   (Refer to “Setting method of the test mode menu” on page 22)
2. Press the [VOLUME +]/[VOLUME –] buttons to select the “WS RST”, press the [INPUT] button.



3. The on/standby indicator on the Subwoofer (SA-WCT780) turns red and flashes, then turns on yellow.



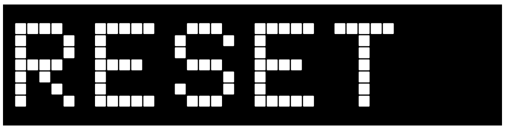
4. Pull out the power cord on the Subwoofer (SA-WCT780) from an outlet and insert the power cord again.

2-21. Cold Reset

It can initialize various backup information.

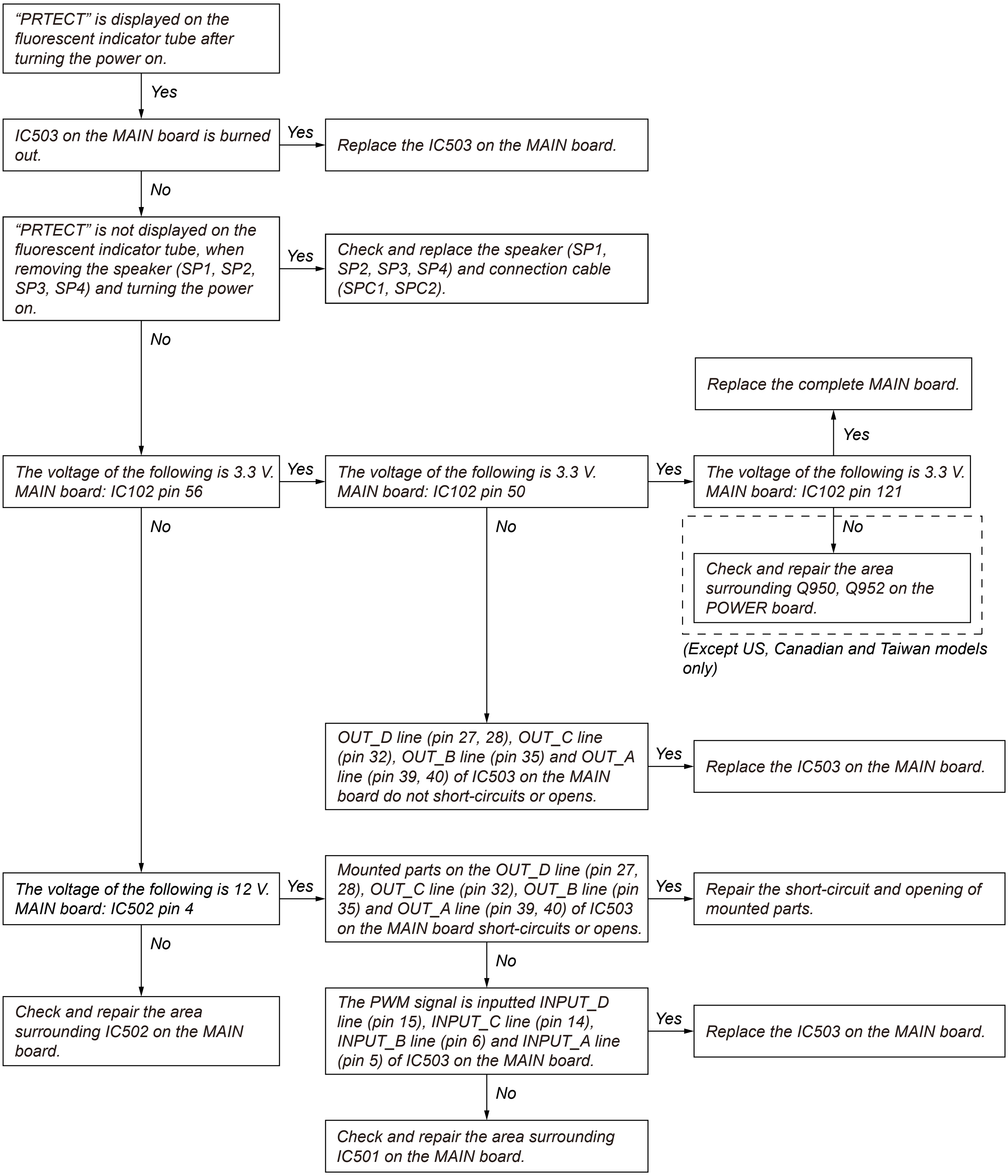
Procedure:

1. Enter the test mode menu.
   (Refer to “Setting method of the test mode menu” on page 22)
2. Press the [VOLUME +]/[VOLUME –] buttons to select the “RESET”, press the [INPUT] button.
3. The message “RESET” is displayed on the fluorescent indicator tube, then turn the power off.



SECTION 4
TROUBLESHOOTING

1. "PRTECT" is displayed on the fluorescent indicator tube after turning the power on



2. The video and audio of HDMI is not outputted

The video and audio of HDMI is not outputted.

→ Yes

The voltage of the following is 6.0 V.
MAIN board: IC601 pin 3
The voltage of the following is 1.0 V.
MAIN board: IC603 pin 14
The voltage of the following is 1.3 V.
MAIN board: IC603 pin 3
The voltage of the following is 5.0 V.
MAIN board: IC604 pin 5
The voltage of the following is 3.3 V.
MAIN board: IC605 pin 1

- No → *The voltage of the following is about 3.3 V.*
  MAIN board: IC601 pin 7
  MAIN board: IC603 pin 12
  MAIN board: IC603 pin 5
  MAIN board: IC604 pin 3
  MAIN board: IC605 pin 4
  Check the mounted state of the area surrounding IC601, IC603, IC604 and IC605 on the MAIN board.
  - No → *Replace IC604 on the MAIN board or complete MAIN board (When IC601, IC603 and IC605 on the MAIN board is damaged).*

→ Yes

The voltage of the following is 3.3 V.
MAIN board: IC1501 pin 69 (RESET)
The pin 114 (XTALIN) of IC1501 on the MAIN board is oscillated.

- No → *Check the area surrounding RESET line on the MAIN board.*
  Check the mounted state of vibrator (X1501) on the MAIN board.
  - No → *Replace the complete MAIN board (When IC1501 on the MAIN board is damaged) or vibrator (X1501) on the MAIN board.*

→ Yes

One voltage of the following is about 5.0 V.
MAIN board: CN1001 pin 19 (HOT PLUG DET)
MAIN board: CN1501 pin 19 (HOT PLUG DET)
MAIN board: CN1502 pin 19 (HOT PLUG DET)

- No → *Check the HOT PLUG DET line (mounted state of connector (CN1001, CN1501, CN1502) and resistor (R1035, R1522, R1523, R1527, R1528, R1532, R1533)) on the MAIN board.*
  - No → *Replace the connector (CN1001, CN1501, CN1502) and resistor (R1035, R1522, R1523, R1527, R1528, R1532, R1533) on the MAIN board.*

→ Yes

The voltage of the following is about 5.0 V.
MAIN board: CN1004 pin 18 (+5V POWER)

- No → *The voltage of the following is about 6.0 V.*
  MAIN board: IC1005 pin 5
  - No → *Check the DD_6V line (mounted state of capacitor (C603, C605, C606, C608, C612), coil (L602) and resistor (R613)) on the MAIN board.*
    - No → *Replace the capacitor (C603, C605, C606, C608, C612), coil (L602) and resistor (R613) on the MAIN board.*
  - Yes → *The voltage of the following is about 3.3 V.*
    MAIN board: IC1005 pin 1
    Check the mounted state of the area surrounding IC1005 on the MAIN board.
    - No → *Replace IC1005 on the MAIN board.*

→ Yes

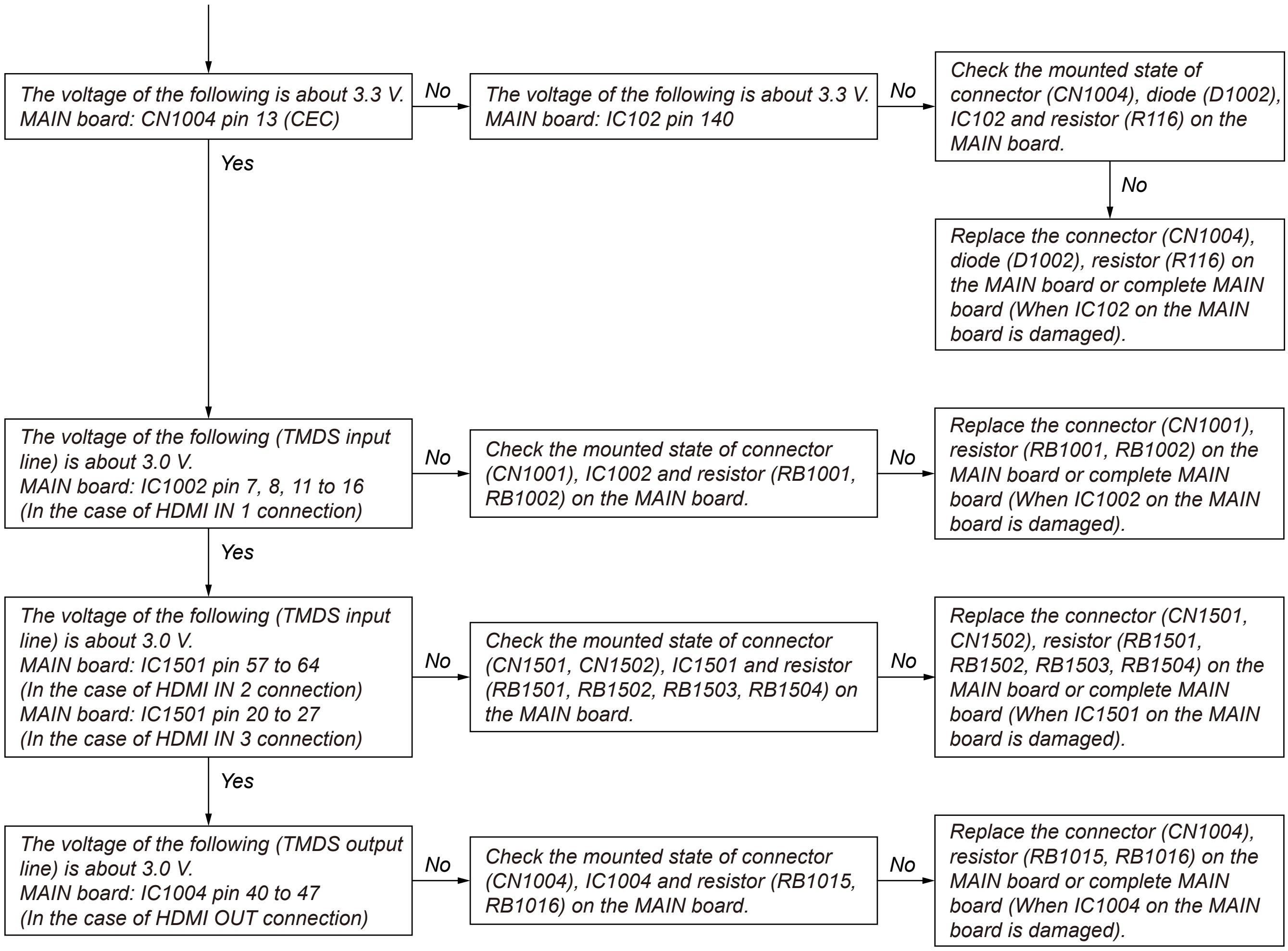
The voltage of the following is about 5.0 V.
MAIN board: CN1001, CN1004, CN1501, CN1502
pin 15 (SCL (5V)), pin 16 (SDA (5V))

- No → *Check the SCL, SDA line (mounted state of connector (CN1001, CN1004, CN1501, CN1502) and resistor (R1093, R1096, R1097, R1098, R1520, R1521, R1530, R1531, R1560, R1561)) on the MAIN board.*
  - No → *Replace the connector (CN1001, CN1004, CN1501, CN1502) and resistor (R1093, R1096, R1097, R1098, R1520, R1521, R1530, R1531, R1560, R1561) on the MAIN board.*

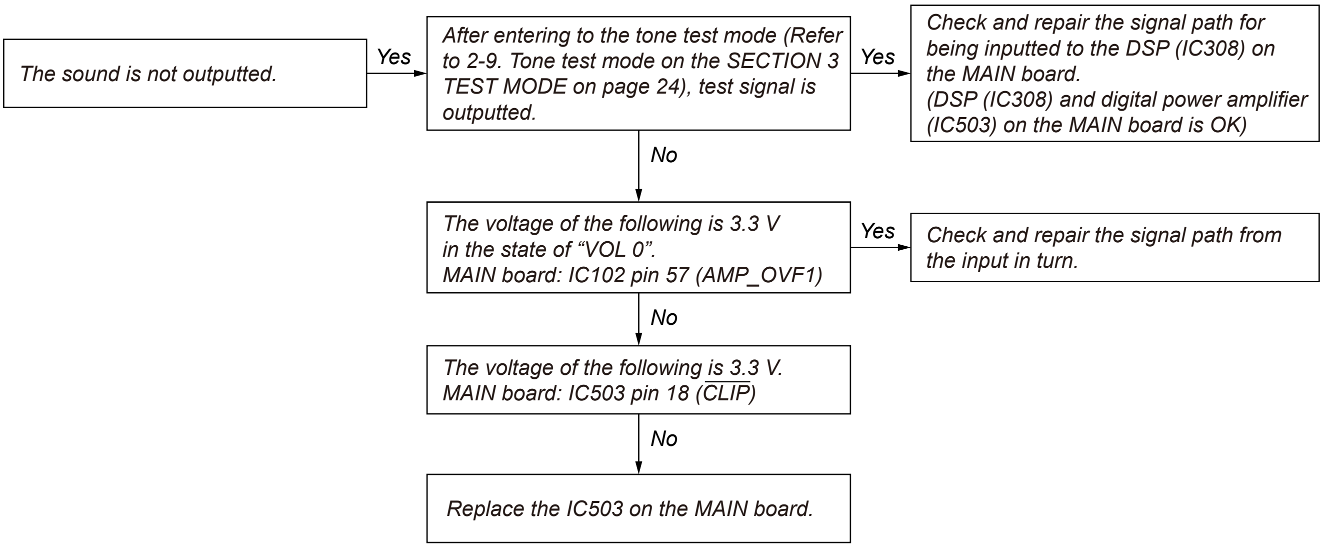
→ Yes

– Continued on page 29 –

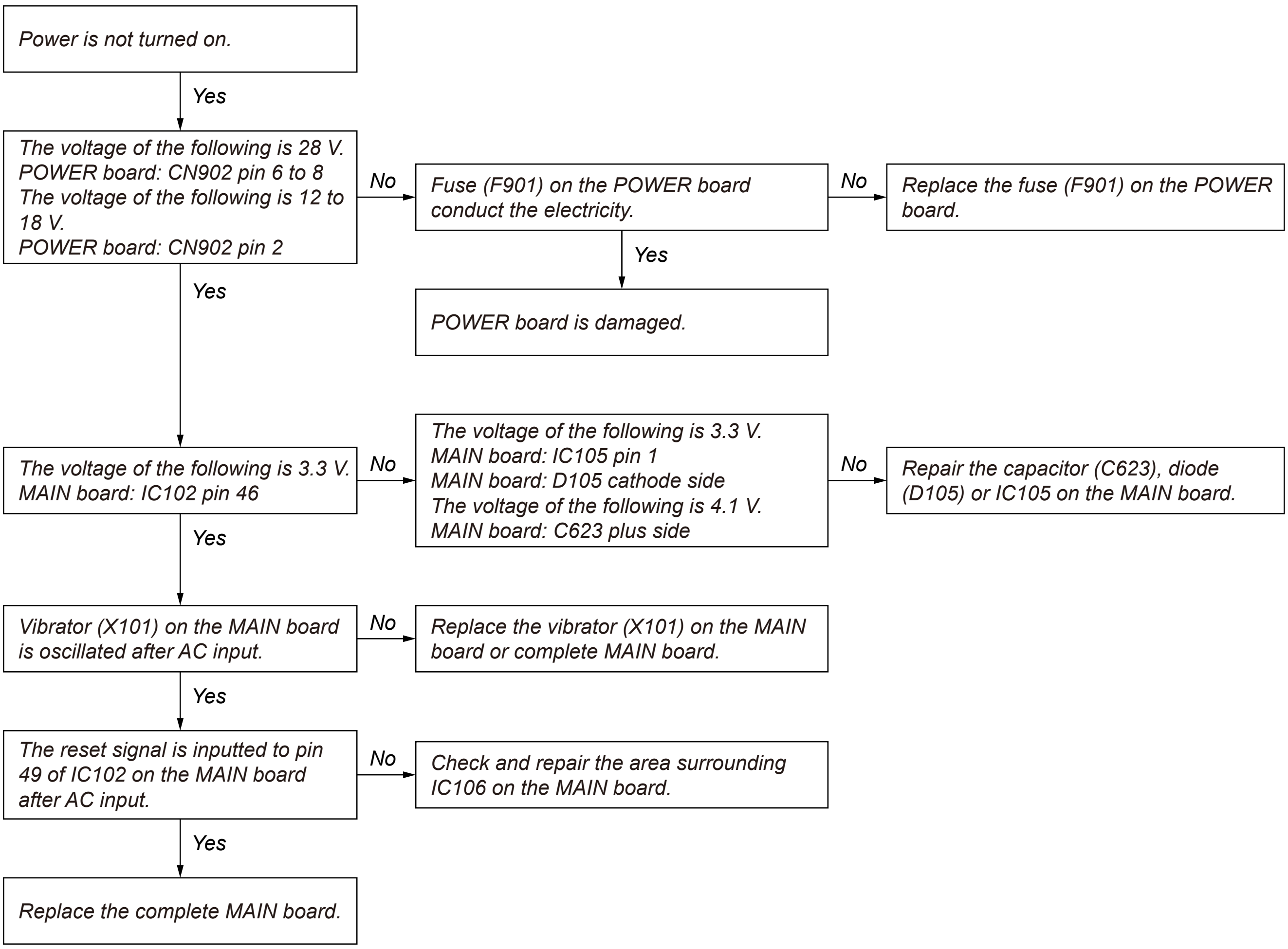
– From page 28 –


The voltage of the following is about 3.3 V.
MAIN board: CN1004 pin 13 (CEC)
No
The voltage of the following is about 3.3 V.
MAIN board: IC102 pin 140
No
Check the mounted state of connector (CN1004), diode (D1002), IC102 and resistor (R116) on the MAIN board.
No
Replace the connector (CN1004), diode (D1002), resistor (R116) on the MAIN board or complete MAIN board (When IC102 on the MAIN board is damaged).
Yes
The voltage of the following (TMDS input line) is about 3.0 V.
MAIN board: IC1002 pin 7, 8, 11 to 16
(In the case of HDMI IN 1 connection)
No
Check the mounted state of connector (CN1001), IC1002 and resistor (RB1001, RB1002) on the MAIN board.
No
Replace the connector (CN1001), resistor (RB1001, RB1002) on the MAIN board or complete MAIN board (When IC1002 on the MAIN board is damaged).
Yes
The voltage of the following (TMDS input line) is about 3.0 V.
MAIN board: IC1501 pin 57 to 64
(In the case of HDMI IN 2 connection)
MAIN board: IC1501 pin 20 to 27
(In the case of HDMI IN 3 connection)
No
Check the mounted state of connector (CN1501, CN1502), IC1501 and resistor (RB1501, RB1502, RB1503, RB1504) on the MAIN board.
No
Replace the connector (CN1501, CN1502), resistor (RB1501, RB1502, RB1503, RB1504) on the MAIN board or complete MAIN board (When IC1501 on the MAIN board is damaged).
Yes
The voltage of the following (TMDS output line) is about 3.0 V.
MAIN board: IC1004 pin 40 to 47
(In the case of HDMI OUT connection)
No
Check the mounted state of connector (CN1004), IC1004 and resistor (RB1015, RB1016) on the MAIN board.
No
Replace the connector (CN1004), resistor (RB1015, RB1016) on the MAIN board or complete MAIN board (When IC1004 on the MAIN board is damaged).

3. The sound is not outputted

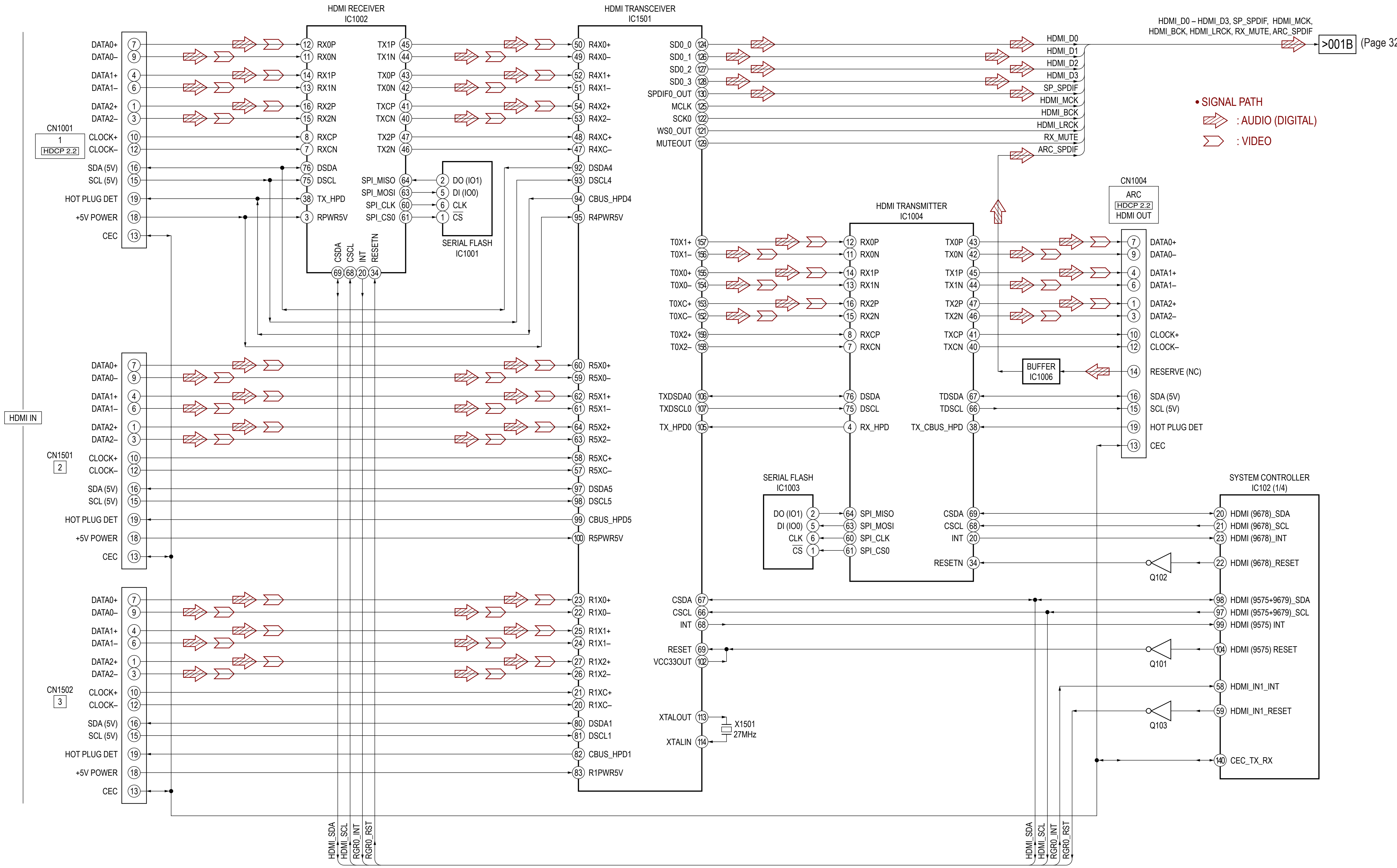


4. Power is not turned on

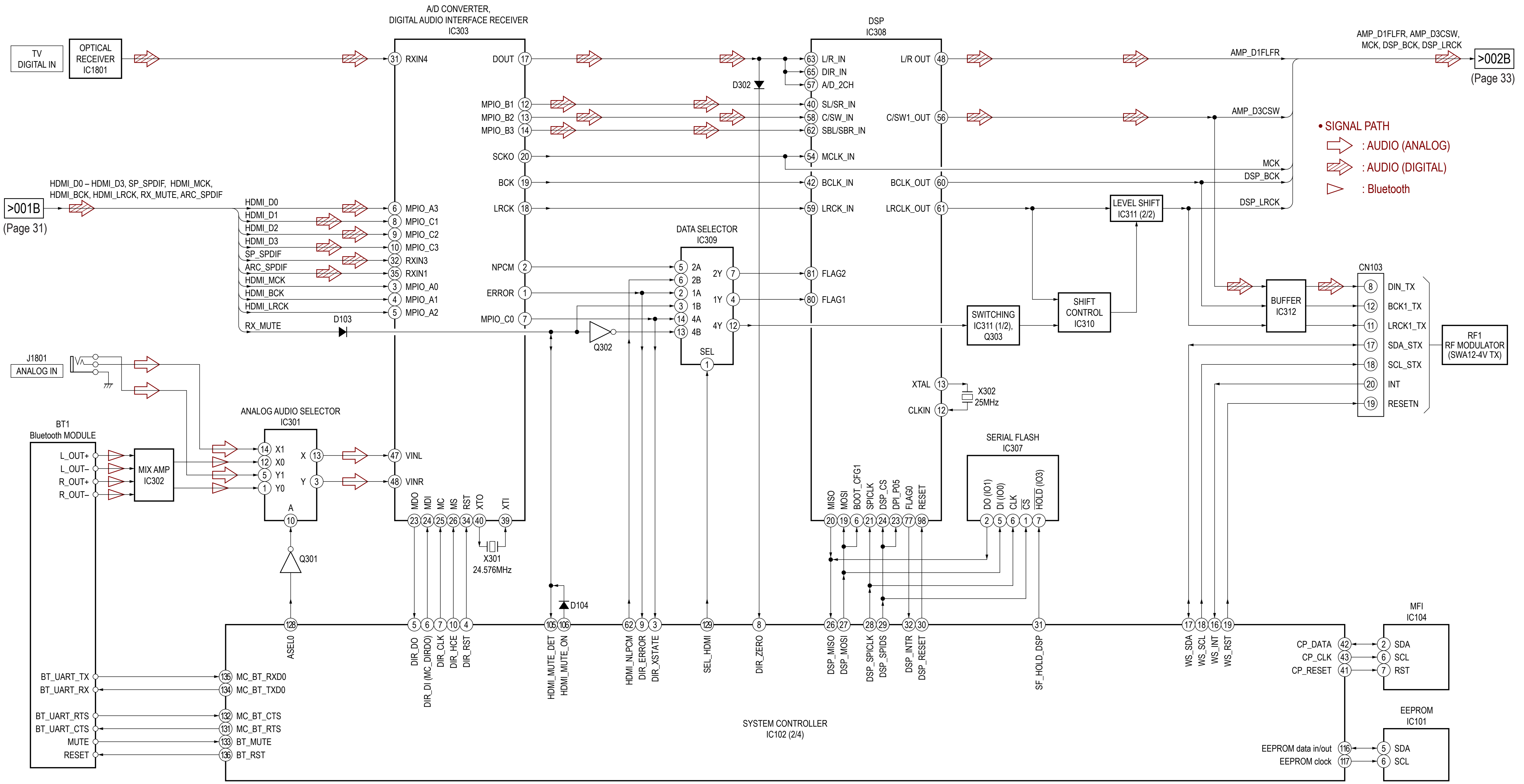


SECTION 5
DIAGRAMS

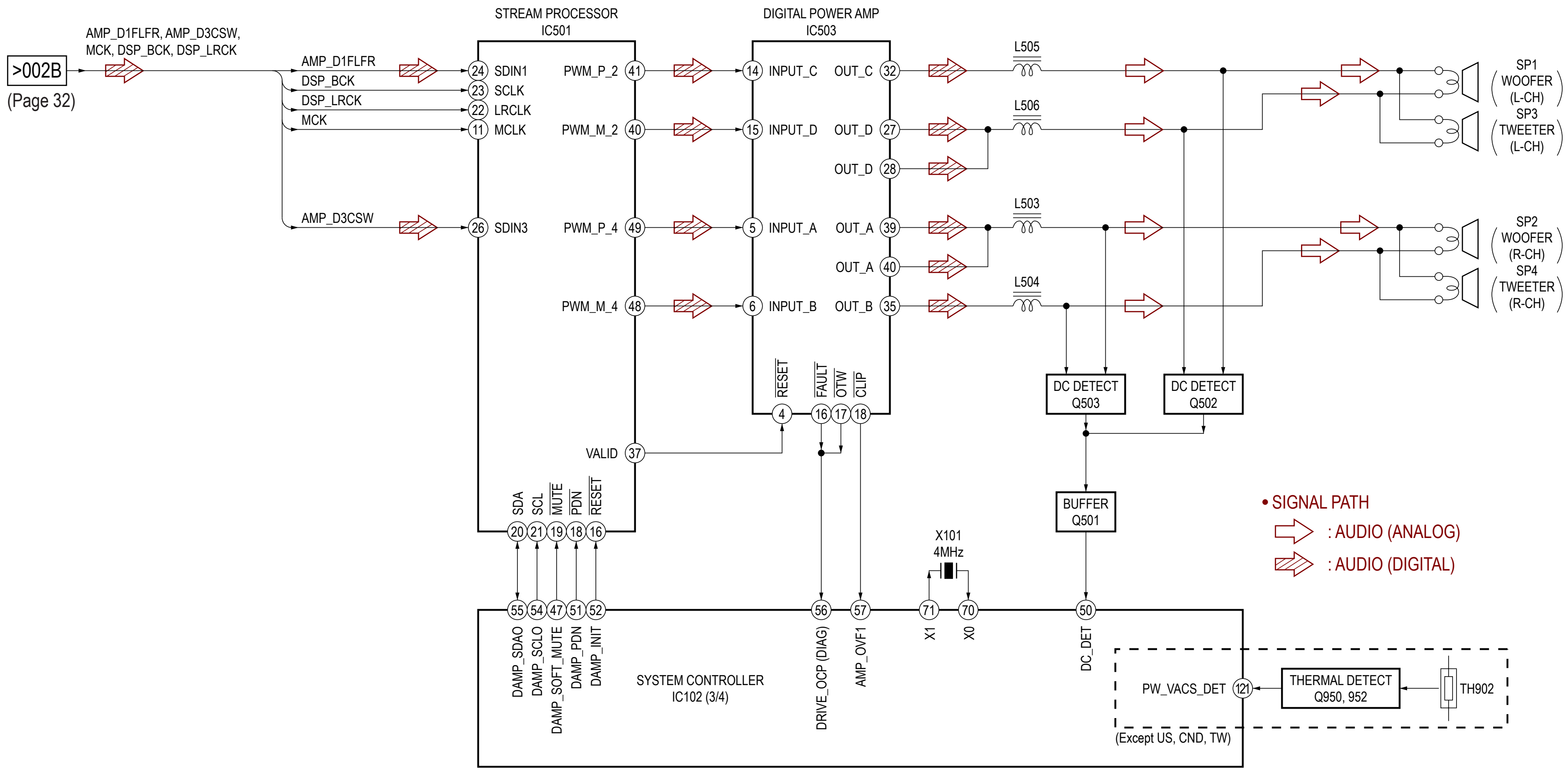
5-1. BLOCK DIAGRAM - HDMI Section -



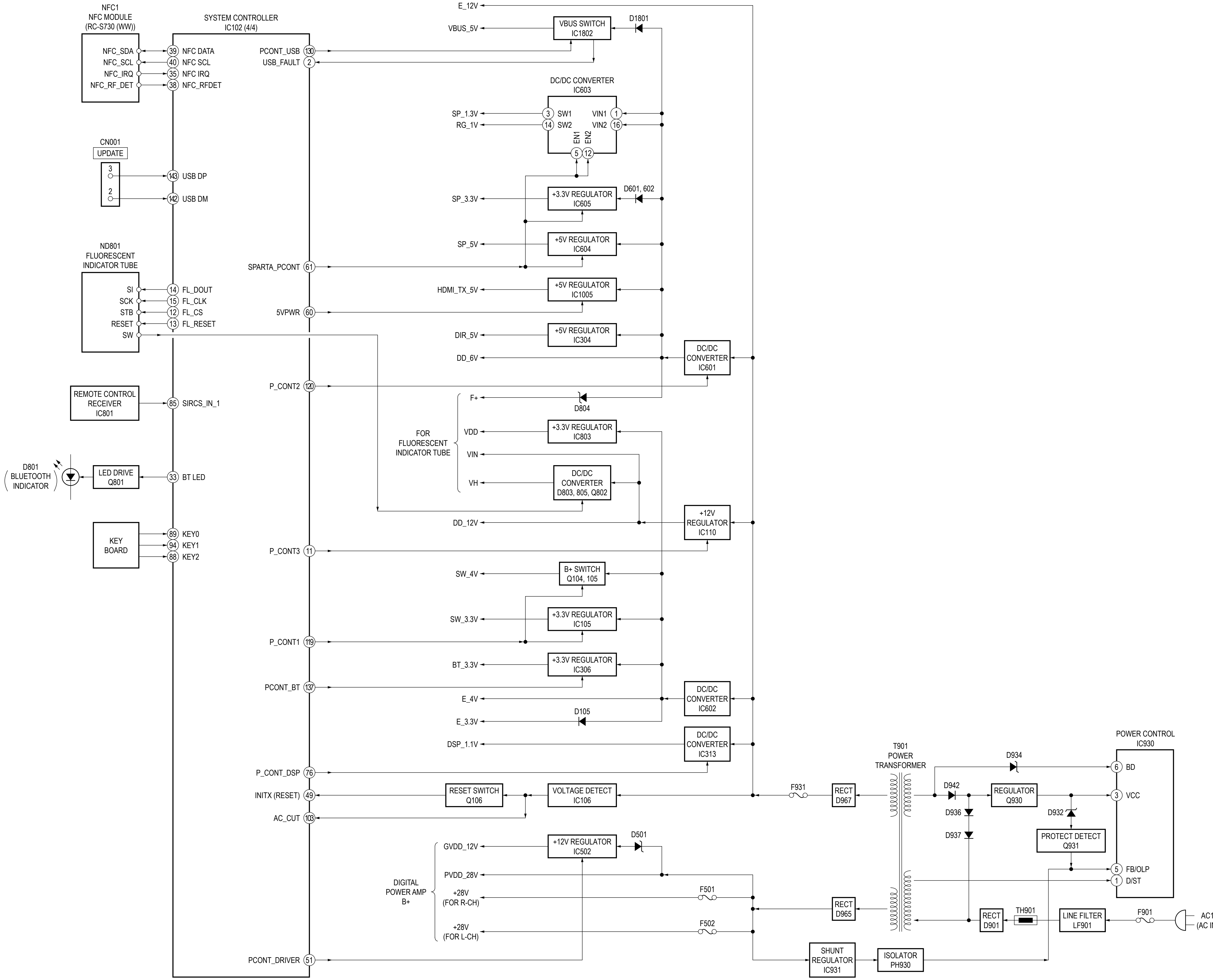
5-2. BLOCK DIAGRAM - MAIN Section -



5-3. BLOCK DIAGRAM - AMP Section -



5-4. BLOCK DIAGRAM - PANEL/POWER SUPPLY Section -



THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For Printed Wiring Boards.

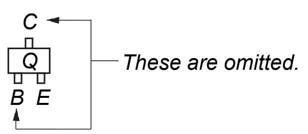
Note:

- ○——: Parts extracted from the component side.
- ——: Parts extracted from the conductor side.
- △ : Internal component.
- (green pattern): Pattern from the side which enables seeing. (The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

Caution:	
Pattern face side: (SIDE B)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (SIDE A)	Parts on the parts face side seen from the parts face are indicated.

- MAIN board is multi-layer printed board. However, the patterns of intermediate layers have not been included in diagrams.
- Indication of transistor.



Note 1: When the complete MAIN board is replaced, refer to "NOTE OF REPLACING THE IC503 ON THE MAIN BOARD AND THE COMPLETE MAIN BOARD" and "NOTES ON THE WIRELESS CONNECTION (LINK) AFTER REPAIRS ARE COMPLETE" on page 5.

Note 2: When the complete POWER board is replaced, refer to "BOND FIXATION OF ELECTRIC PARTS" on page 6.

For Schematic Diagrams.

Note:

- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : Internal component.
- (symbol): Nonflammable resistor.
- (symbol): Fusible resistor.
- ▭: Panel designation.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

注意: 原理图和零件清单中标有⚠记号的零部件，或带有⚠记号的虚线所圈示的零部件，对于维系安全至关重要。因此只能以指定号码的零部件来更换。

- ▬: B+ Line.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark: POWER ON
  * : Impossible to measure
- Voltages are taken with VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : AUDIO (ANALOG)
  ⇨ : AUDIO (DIGITAL)
  ⇨ : VIDEO
  ▷ : Bluetooth

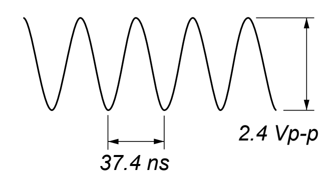
Note 1: When the complete MAIN board is replaced, refer to "NOTE OF REPLACING THE IC503 ON THE MAIN BOARD AND THE COMPLETE MAIN BOARD" and "NOTES ON THE WIRELESS CONNECTION (LINK) AFTER REPAIRS ARE COMPLETE" on page 5.

Note 2: When the complete POWER board is replaced, refer to "BOND FIXATION OF ELECTRIC PARTS" on page 6.

- **Waveforms**

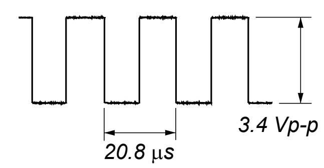
– MAIN Board –

① **IC1501 (113) (XTALOUT)**



1 V/DIV, 20 ns/DIV

② **IC303 ⑱ (LRCK)**



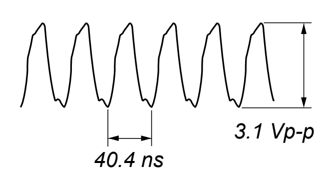
1 V/DIV, 10 μs/DIV

③ **IC303 ⑲ (BCK)**



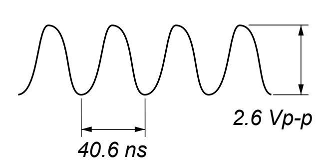
1 V/DIV, 200 ns/DIV

④ **IC303 ⑳ (SCKO)**



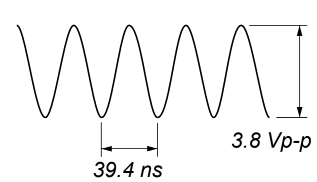
1 V/DIV, 20 ns/DIV

⑤ **IC303 (40) (XTO)**



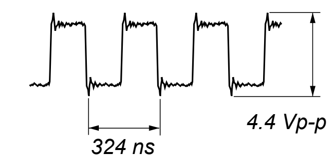
1 V/DIV, 20 ns/DIV

⑥ **IC308 ⑬ (XTAL)**



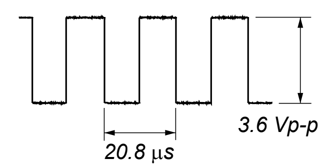
1 V/DIV, 20 ns/DIV

⑦ **IC308 (60) (BCLK_OUT)**



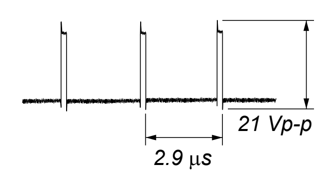
1 V/DIV, 200 ns/DIV

⑧ **IC308 (61) (LRCLK_OUT)**



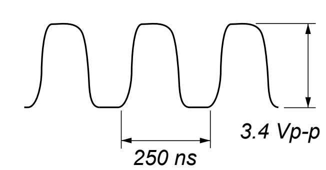
1 V/DIV, 10 μs/DIV

⑨ **IC313 ① (BOOT)**



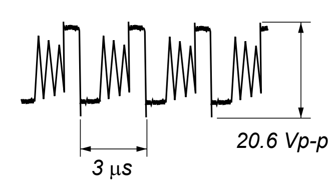
5 V/DIV, 2 μs/DIV

⑩ **IC102 (71) (X1)**



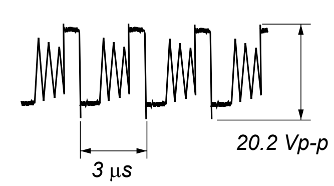
1 V/DIV, 100 ns/DIV

⑪ **IC602 ① (BOOT)**



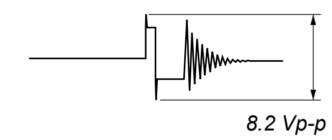
5 V/DIV, 1 μs/DIV

⑫ **IC601 ① (BOOT)**



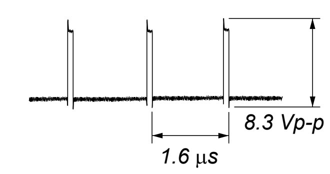
5 V/DIV, 1 μs/DIV

⑬ **IC603 ③ (SW1)**



2 V/DIV, 1 μs/DIV

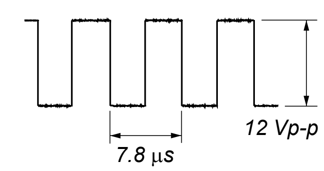
⑭ **IC603 ⑭ (SW2)**



2 V/DIV, 1 μs/DIV

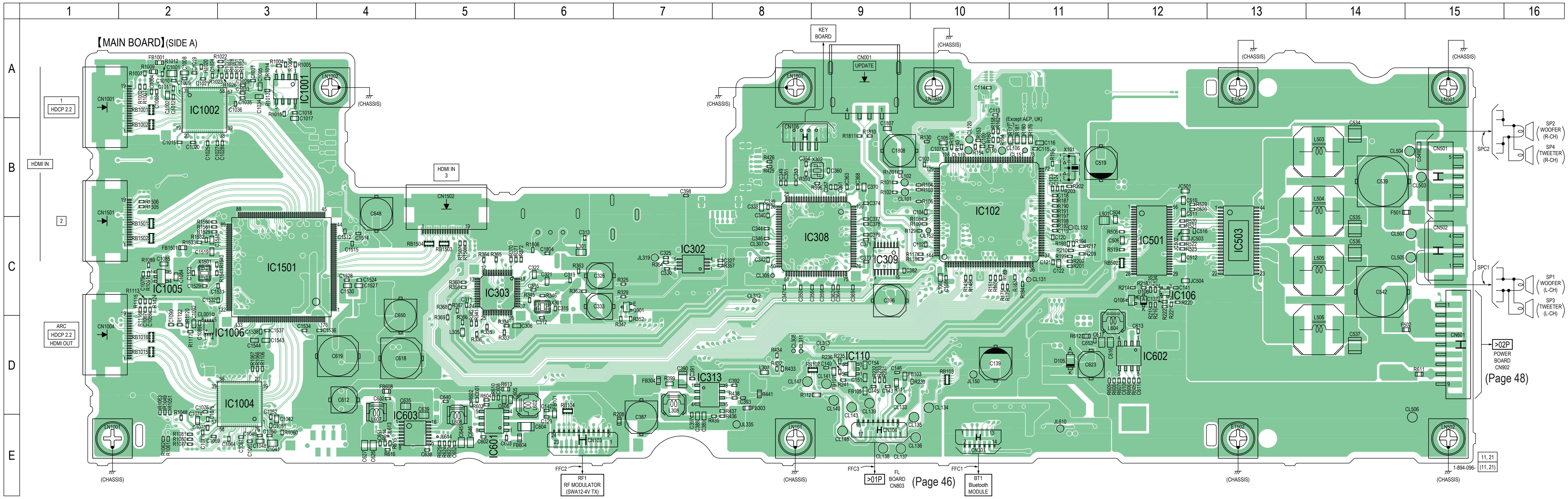
– FL Board –

㉑ **Q802 (BASE)**



5 V/DIV, 5 μs/DIV

5-5. PRINTED WIRING BOARDS - MAIN Section (1/2) - • : Uses unleaded solder.



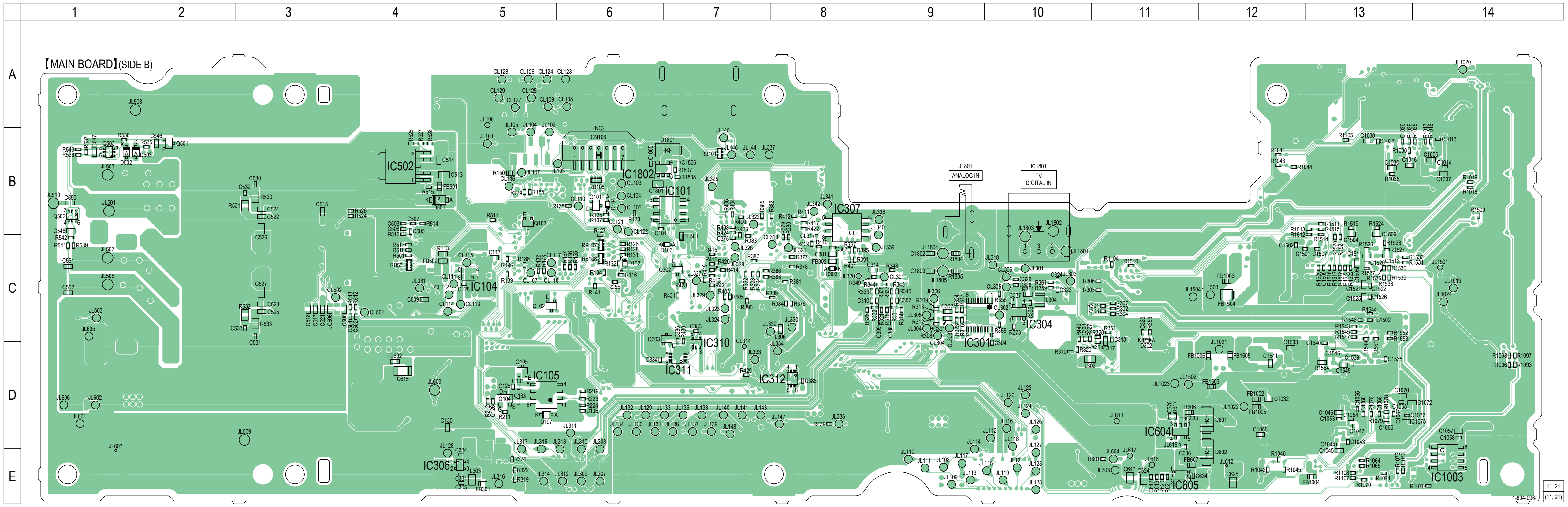
Note 1: When the KEY board is defective, replace the complete mounted board.

Note 2: When the RF modulator (Ref .No. RF1) is replaced, refer to "NOTES ON THE WIRELESS CONNECTION (LINK) AFTER REPAIRS ARE COMPLETE" on page 5.

Note 3: IC102, IC308, IC313, IC601 to IC603, IC1002, IC1004 and IC1501 on the MAIN board cannot replace with single. When these parts are damaged, replace the complete mounted board.

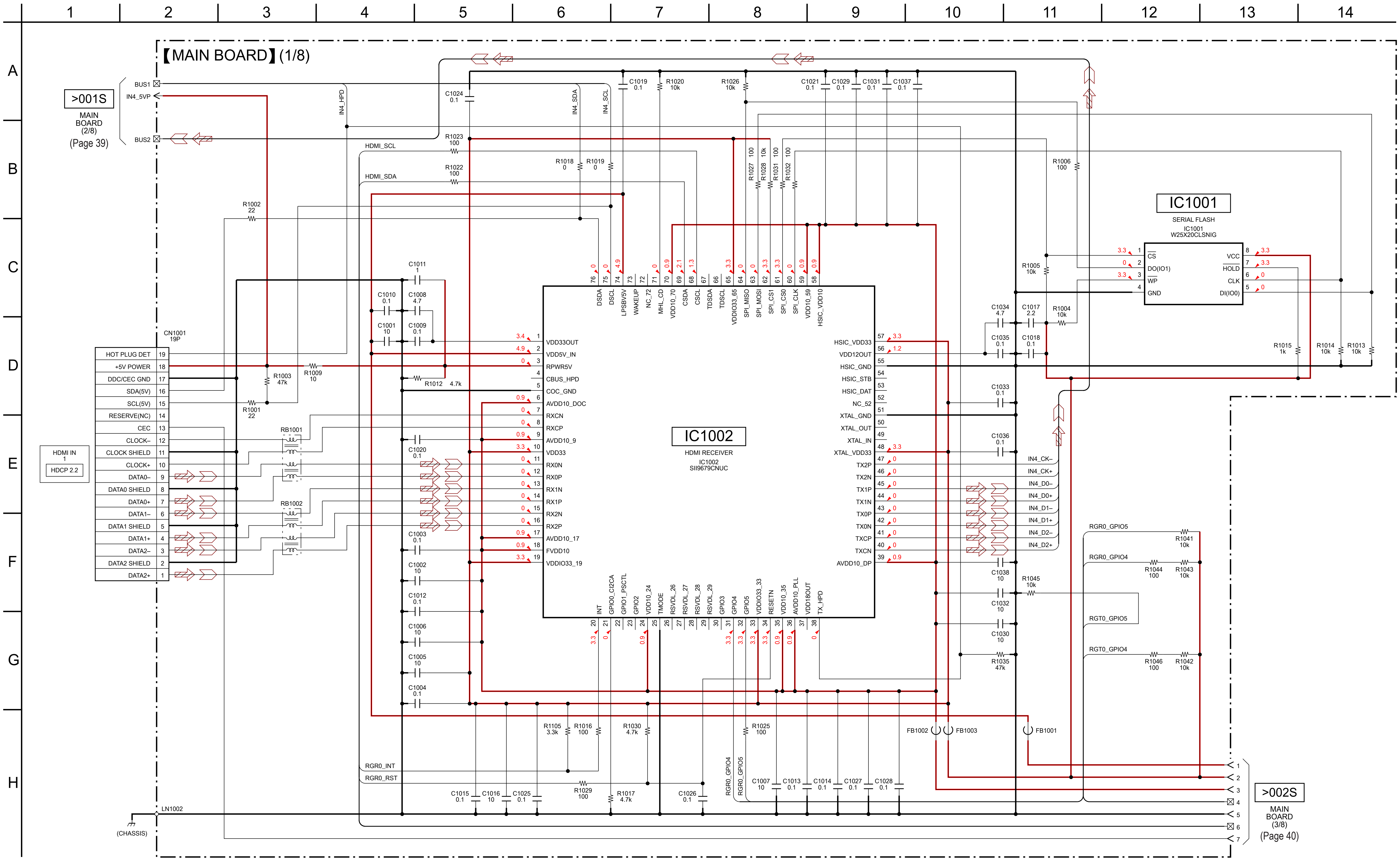
Note 4: When the IC503 on the MAIN board is replaced, refer to "NOTE OF REPLACING THE IC503 ON THE MAIN BOARD AND THE COMPLETE MAIN BOARD" on page 5.

5-6. PRINTED WIRING BOARD - MAIN Section (2/2) - • : Uses unleaded solder.



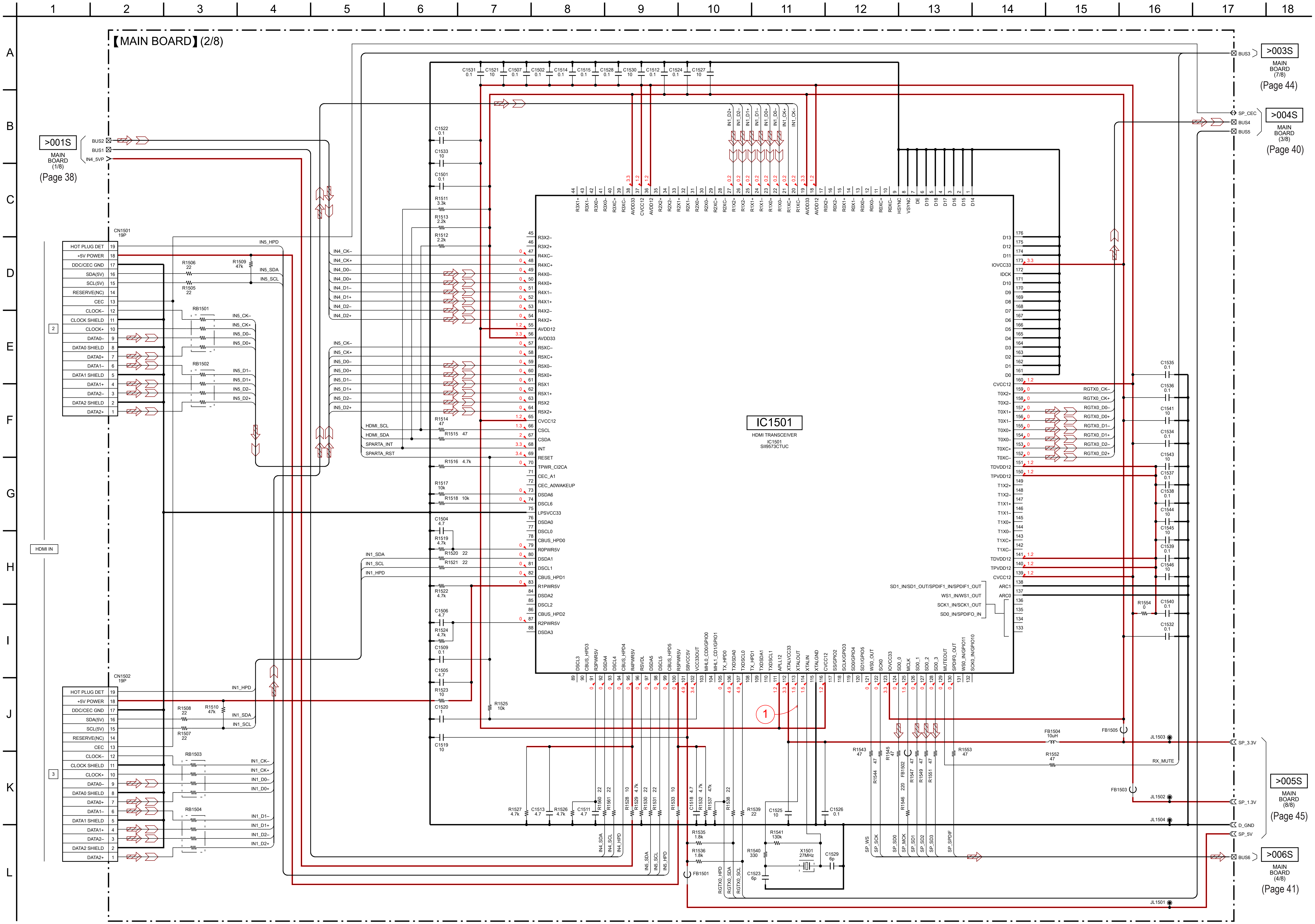
Note: IC104, IC307 and IC605 on the MAIN board cannot replace with single.
When these parts are damaged, replace the complete mounted board.

5-7. SCHEMATIC DIAGRAM - MAIN Section (1/8) -



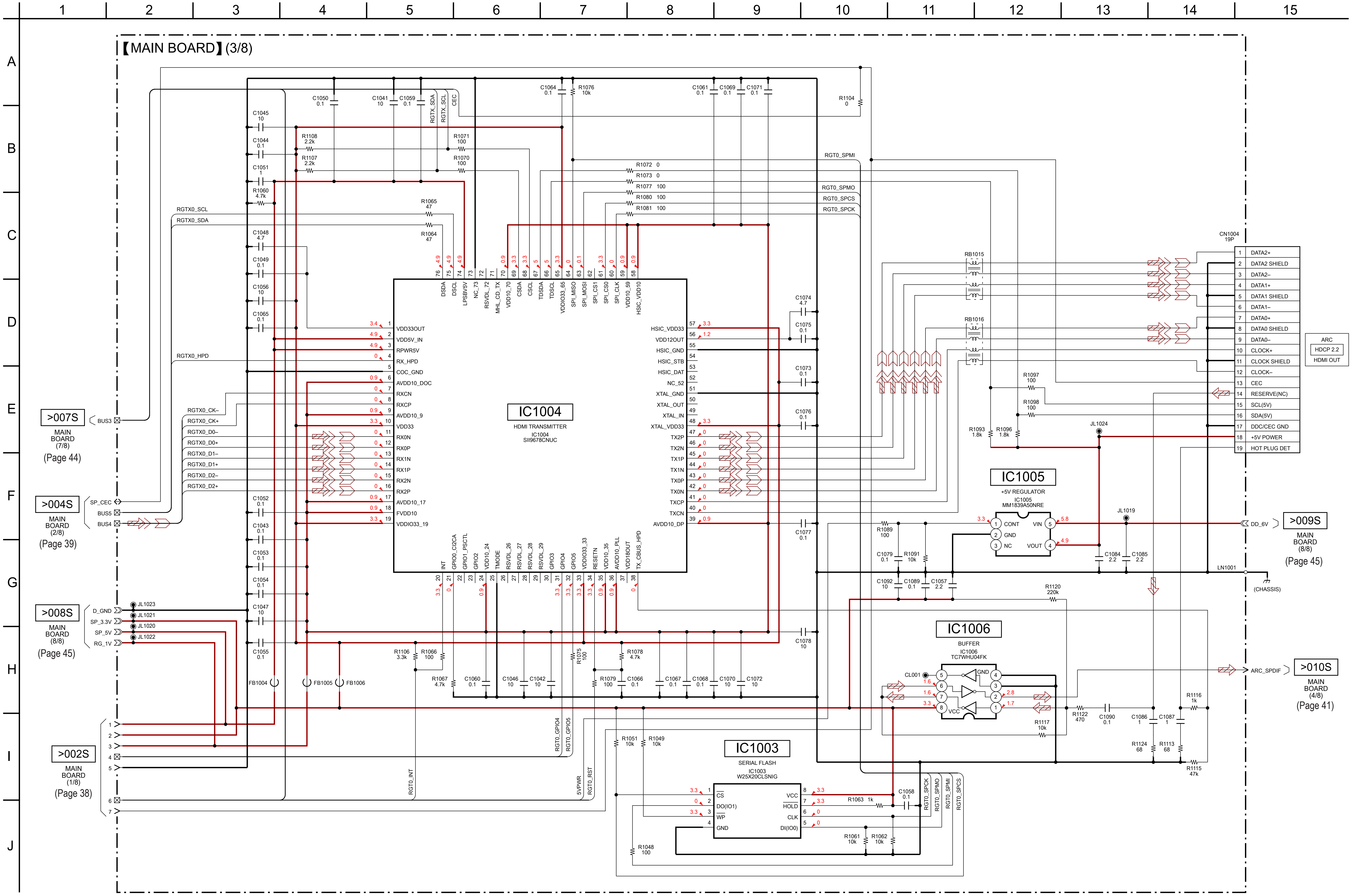
Note: IC1002 on the MAIN board cannot replace with single. When this part is damaged, replace the complete mounted board.

5-8. SCHEMATIC DIAGRAM - MAIN Section (2/8) - • See page 35 for Waveforms. • See page 54 for IC Pin Function Description.



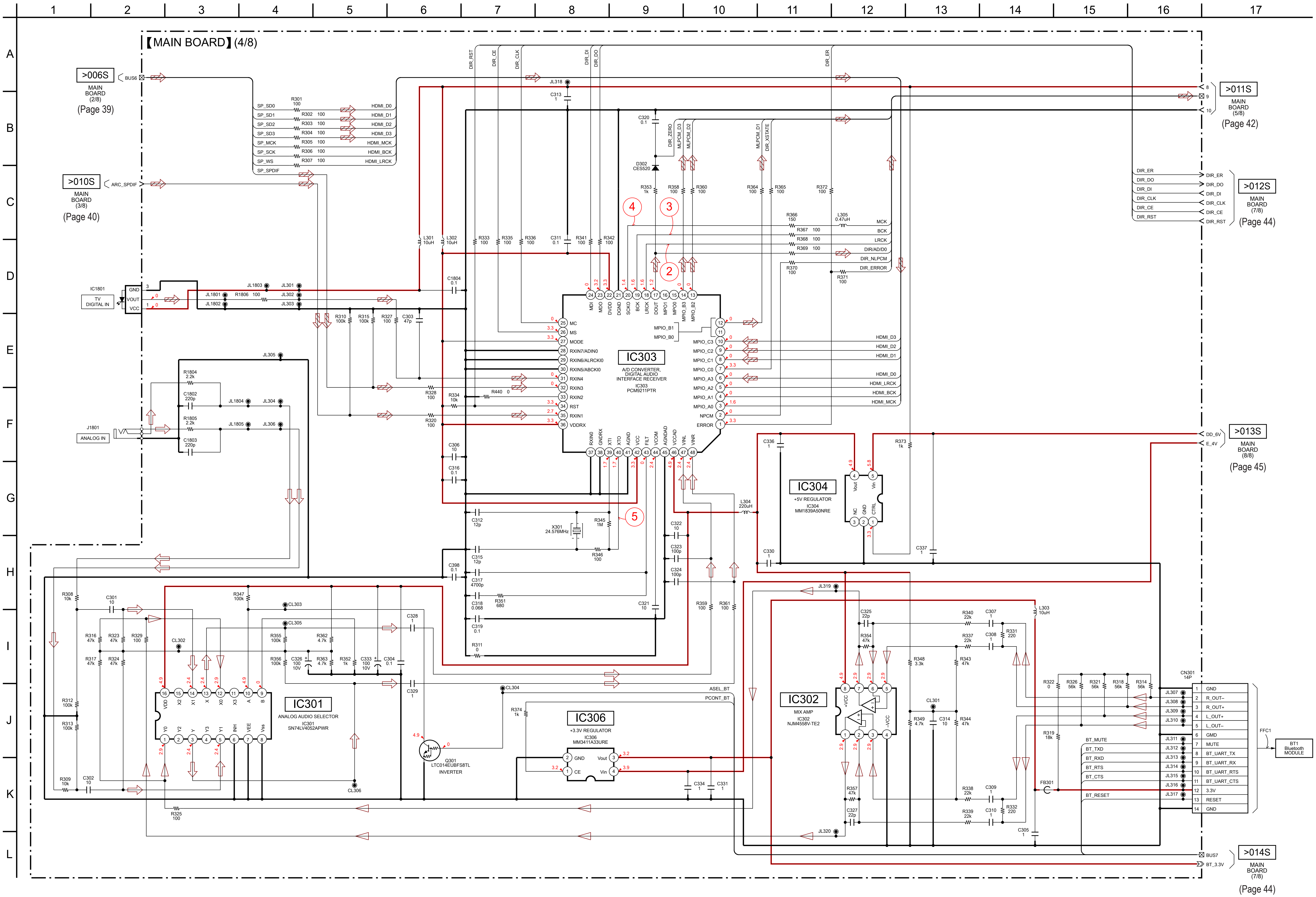
Note: IC1501 on the MAIN board cannot replace with single. When this part is damaged, replace the complete mounted board.

5-9. SCHEMATIC DIAGRAM - MAIN Section (3/8) - • See page 50 for IC Block Diagrams.



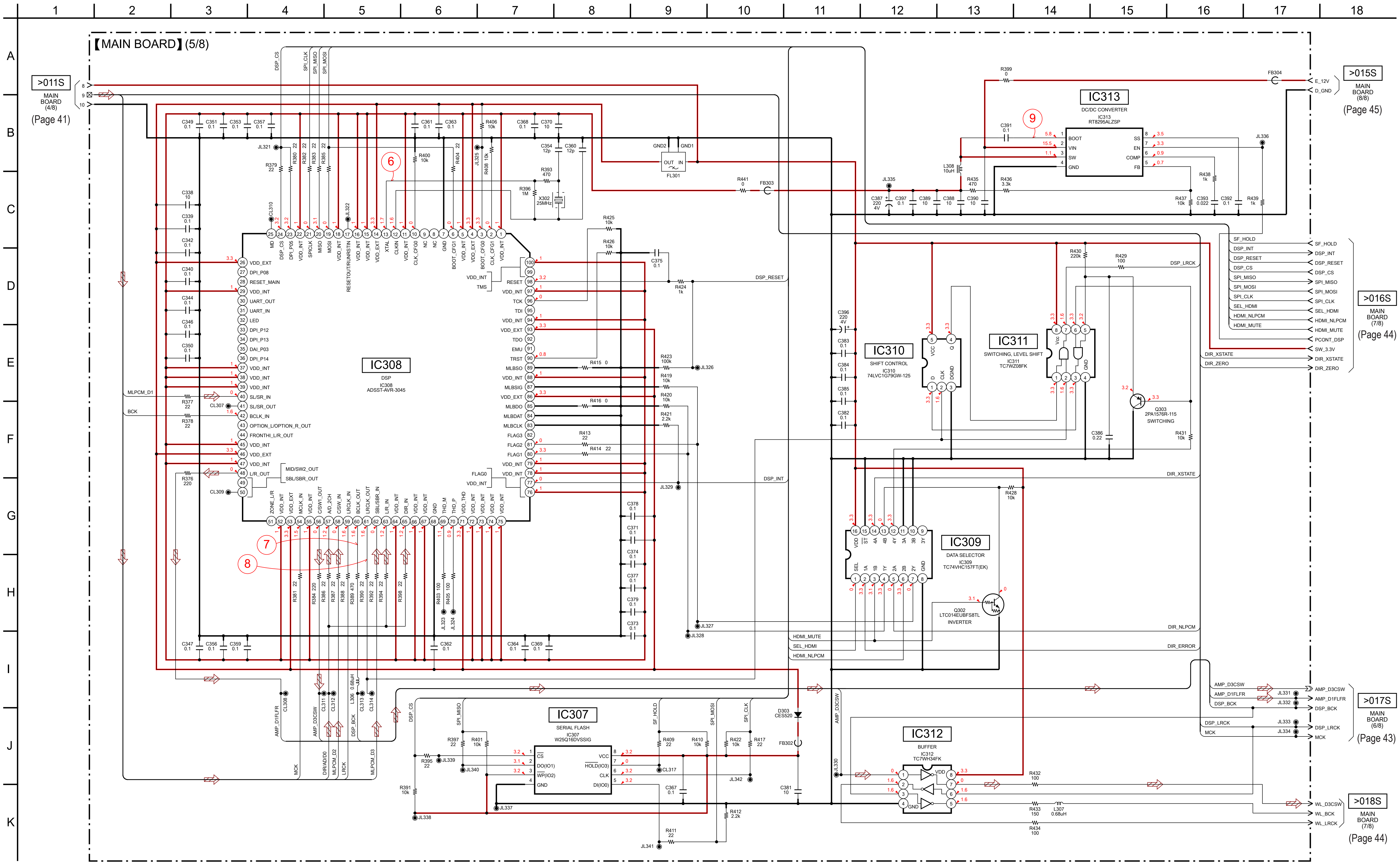
Note: IC1004 on the MAIN board cannot replace with single. When this part is damaged, replace the complete mounted board.

5-10. SCHEMATIC DIAGRAM - MAIN Section (4/8) - • See page 35 for Waveforms. • See page 50 for IC Block Diagrams.



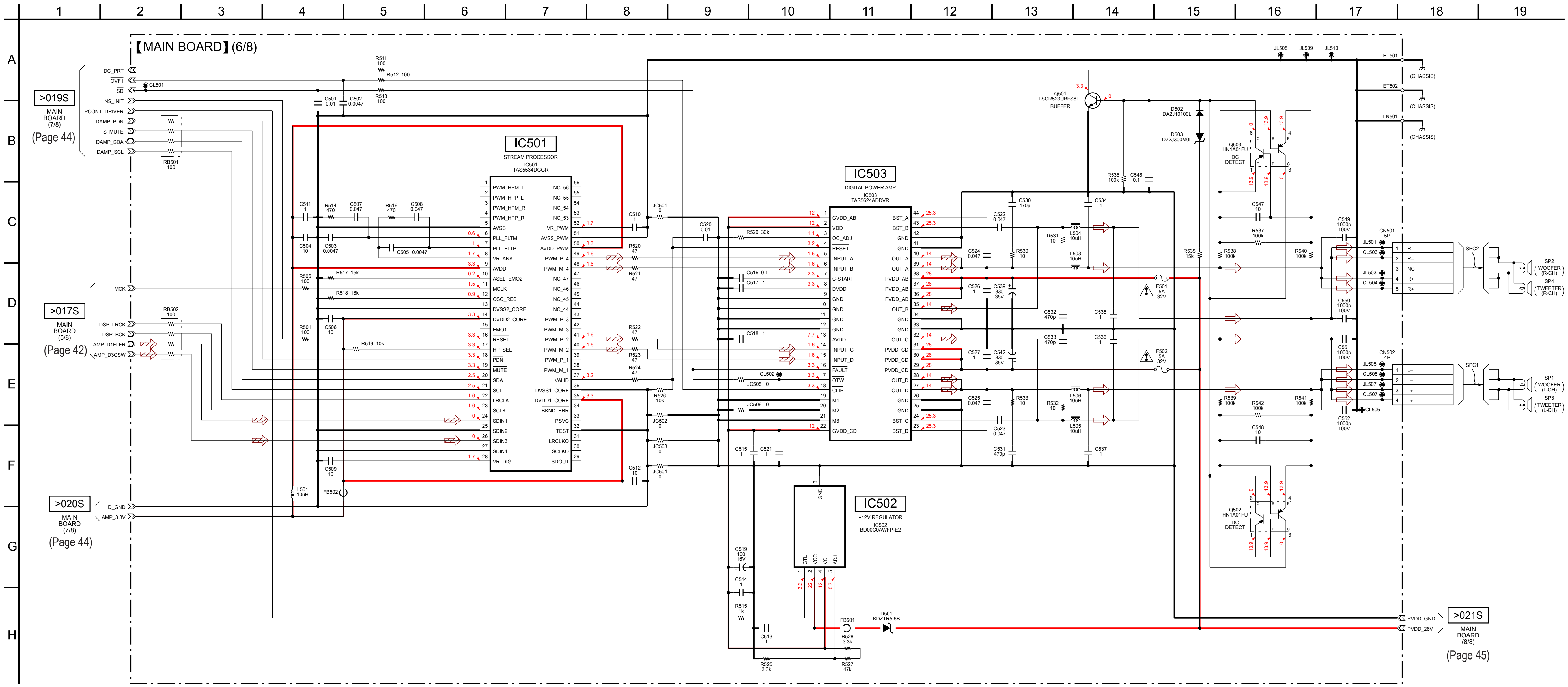
5-11. SCHEMATIC DIAGRAM - MAIN Section (5/8) -

• See page 35 for Waveforms. • See page 50 for IC Block Diagrams. • See page 54 for IC Pin Function Description.



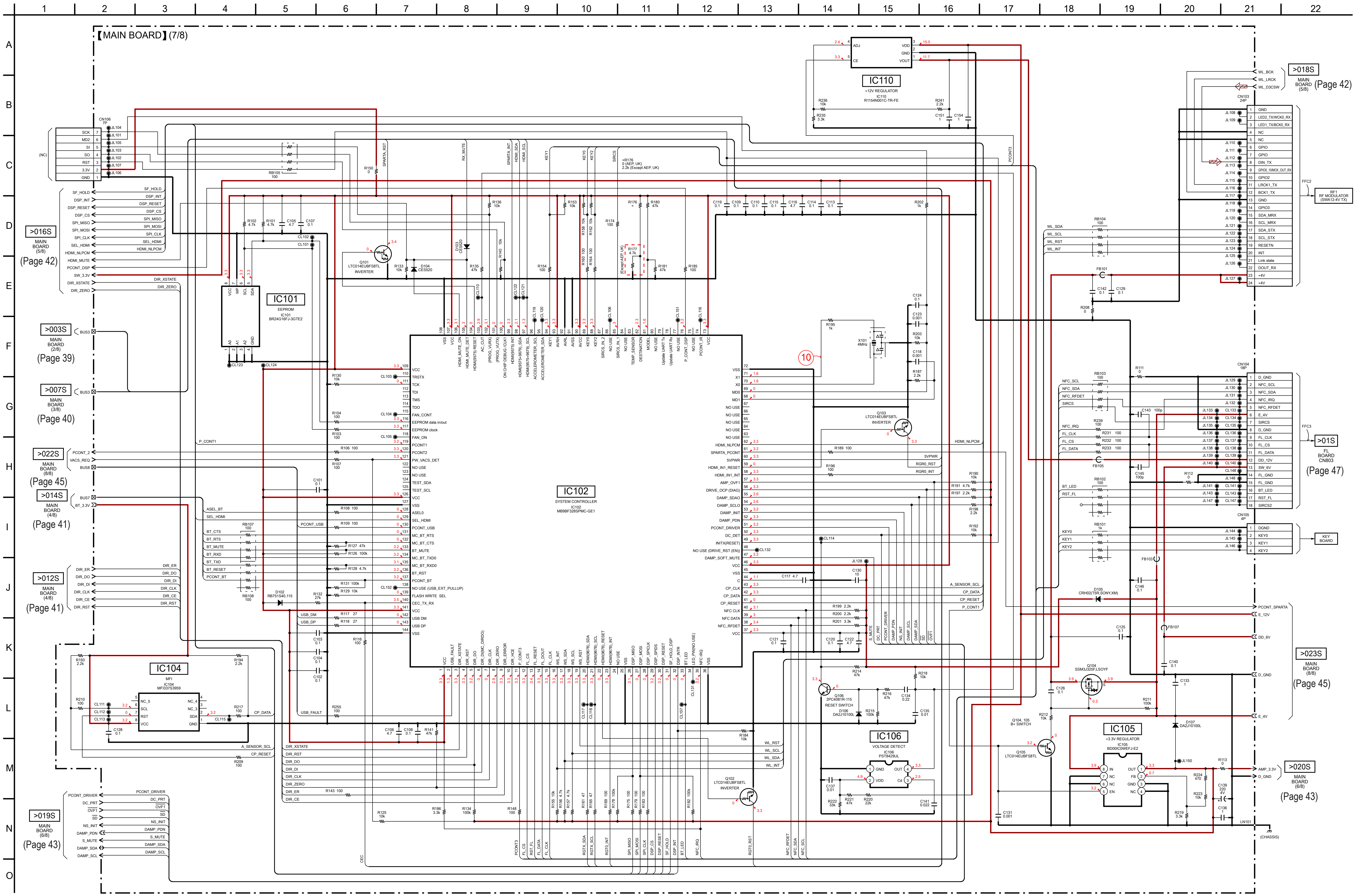
Note: IC307, IC308 and IC313 on the MAIN board cannot replace with single. When these parts are damaged, replace the complete mounted board.

5-12. SCHEMATIC DIAGRAM - MAIN Section (6/8) - • See page 50 for IC Block Diagrams.



Note: When the IC503 on the MAIN board is replaced, refer to "NOTE OF REPLACING THE IC503 ON THE MAIN BOARD AND THE COMPLETE MAIN BOARD" on page 5.

5-13. SCHEMATIC DIAGRAM - MAIN Section (7/8) - • See page 35 for Waveforms. • See page 50 for IC Block Diagrams. • See page 54 for IC Pin Function Description.

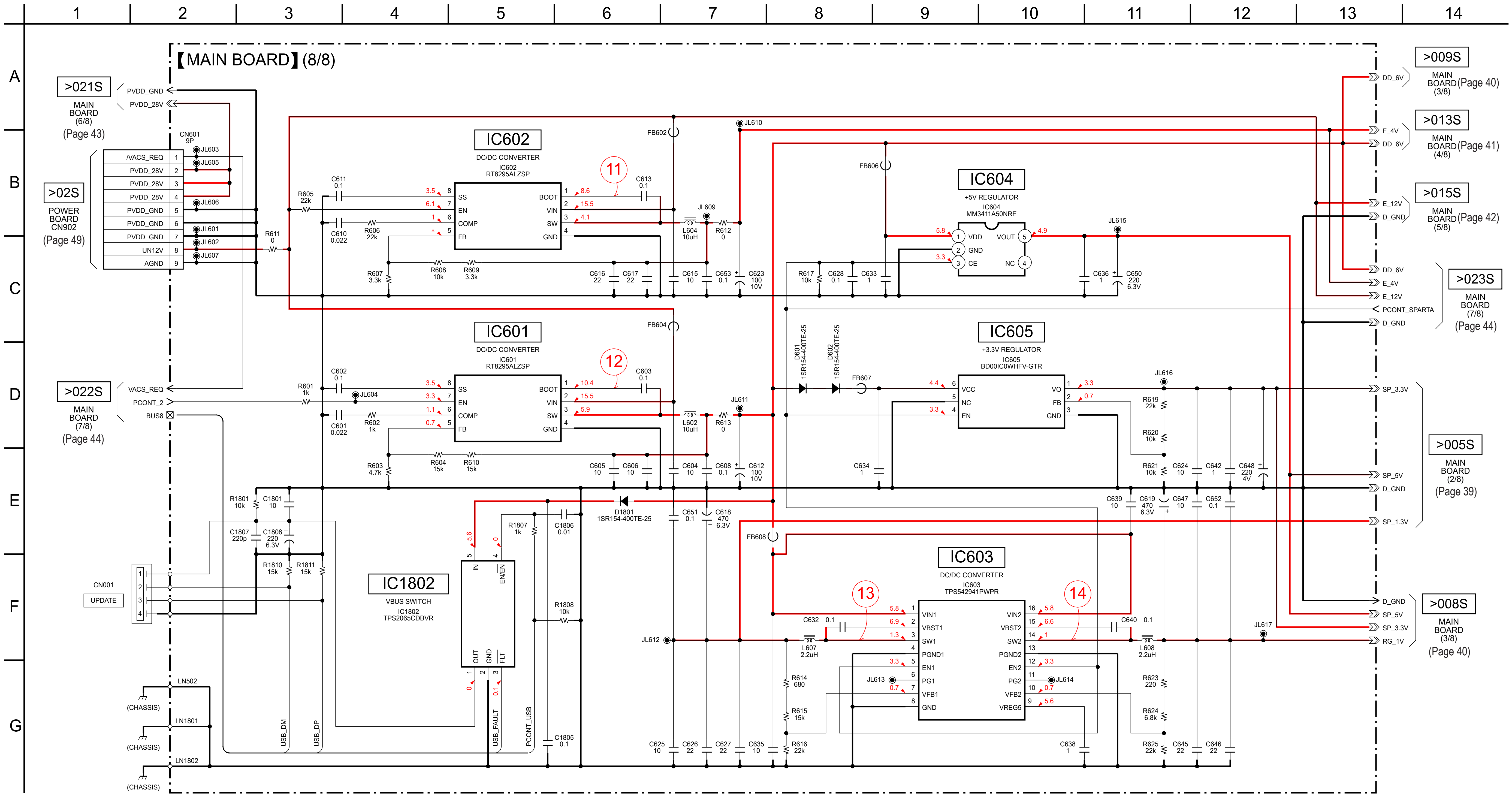


Note 1: When the KEY board is defective, replace the complete mounted board.

Note 2: When the RF modulator (Ref.No. RF1) is replaced, refer to "NOTES ON THE WIRELESS CONNECTION (LINK) AFTER REPAIRS ARE COMPLETE" on page 5.

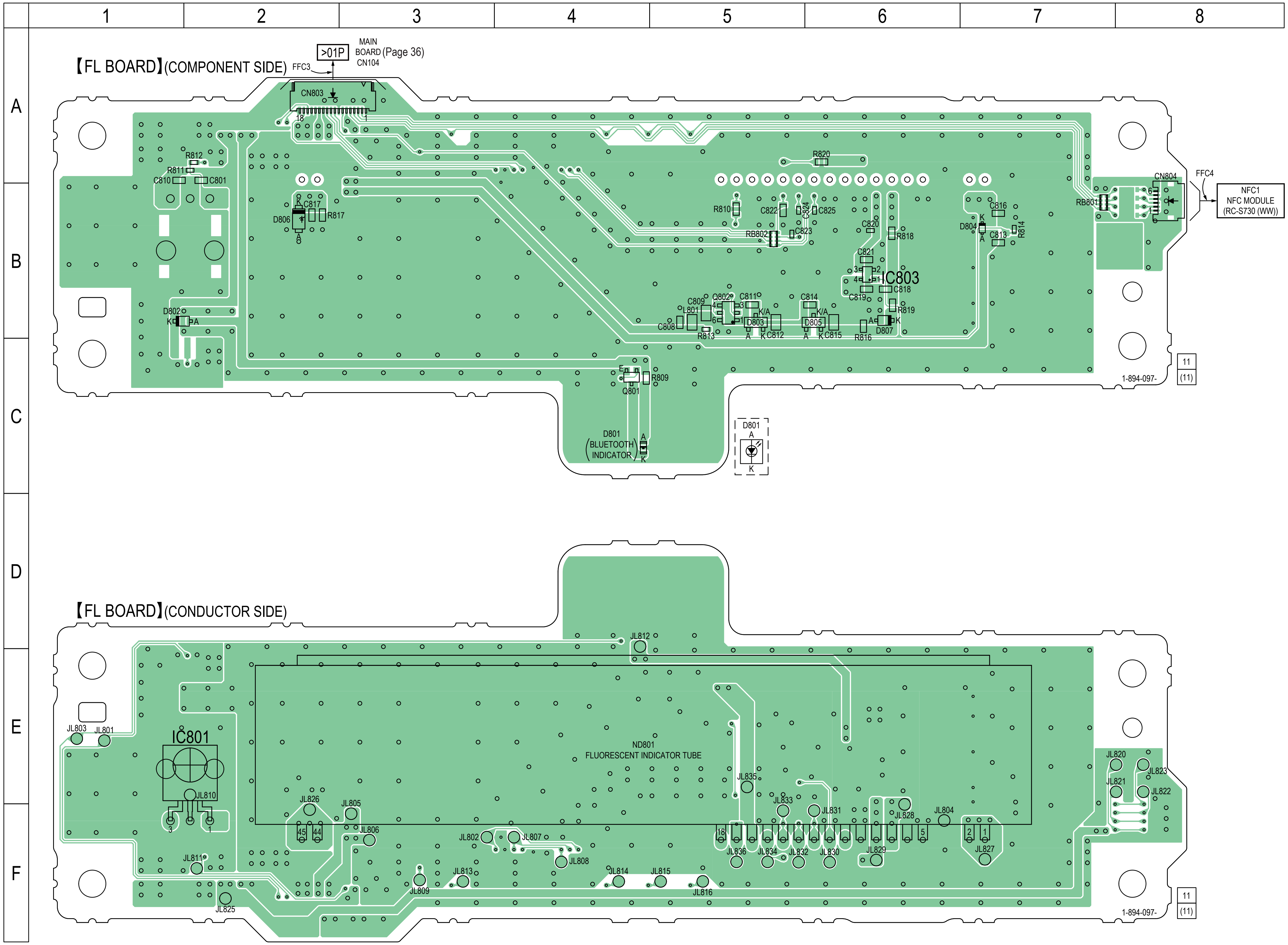
Note 3: IC102 and IC104 on the MAIN board cannot replace with single. When these parts are damaged, replace the complete mounted board.

5-14. SCHEMATIC DIAGRAM - MAIN Section (8/8) - • See page 35 for Waveforms. • See page 50 for IC Block Diagrams.

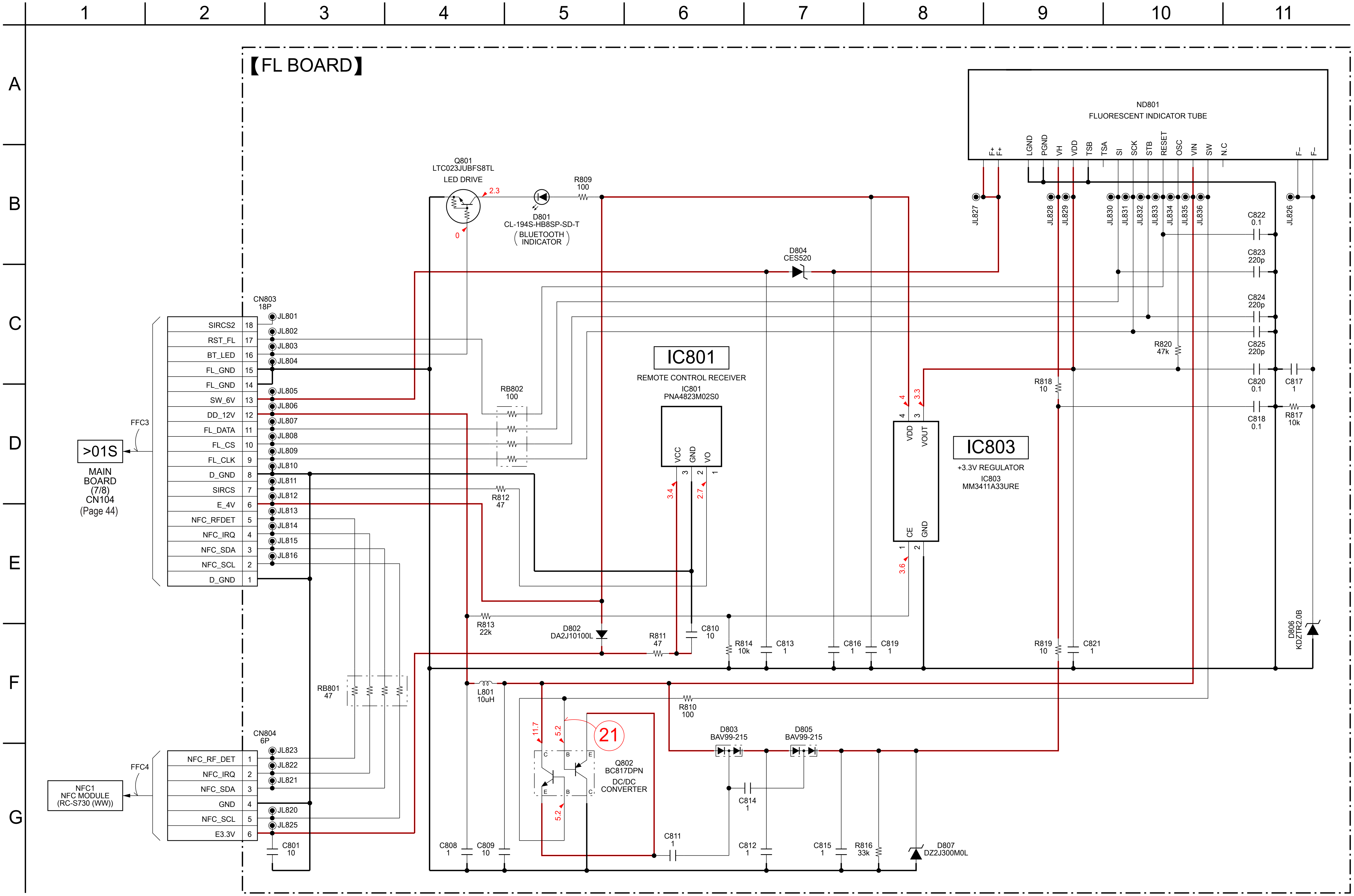


Note: IC601 to IC603 and IC605 on the MAIN board cannot replace with single. When these parts are damaged, replace the complete mounted board.

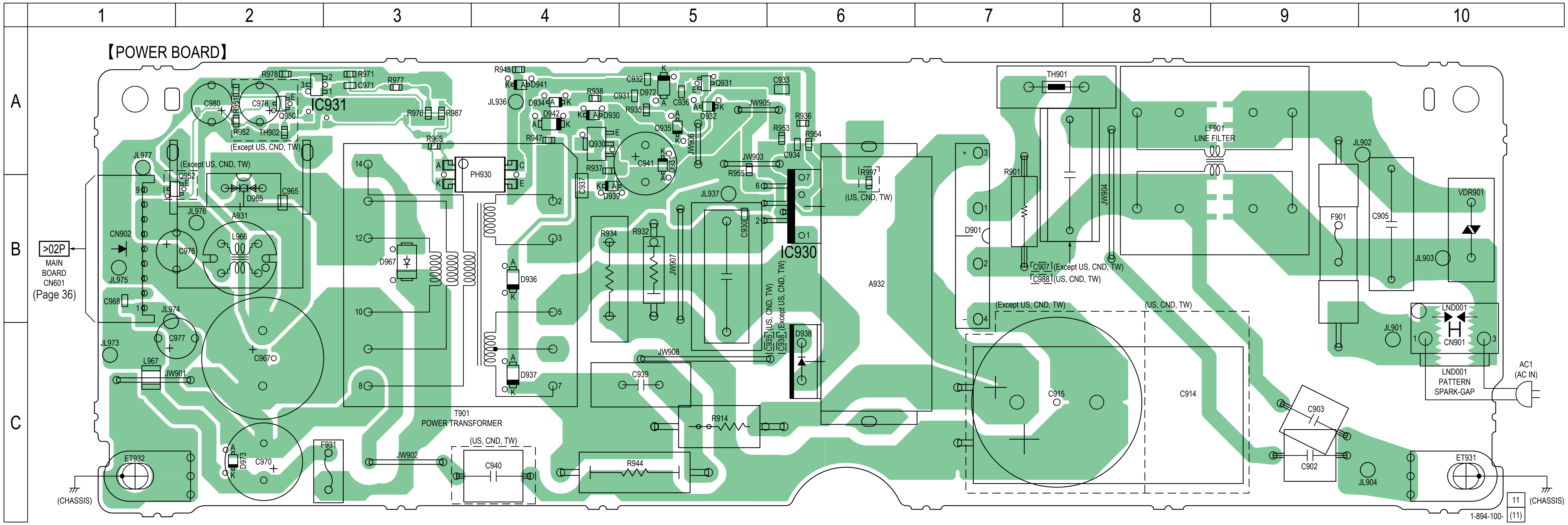
5-15. PRINTED WIRING BOARD - FL Board - • : Uses unleaded solder.



5-16. SCHEMATIC DIAGRAM - FL Board - • See page 35 for Waveforms. • See page 50 for IC Block Diagrams.



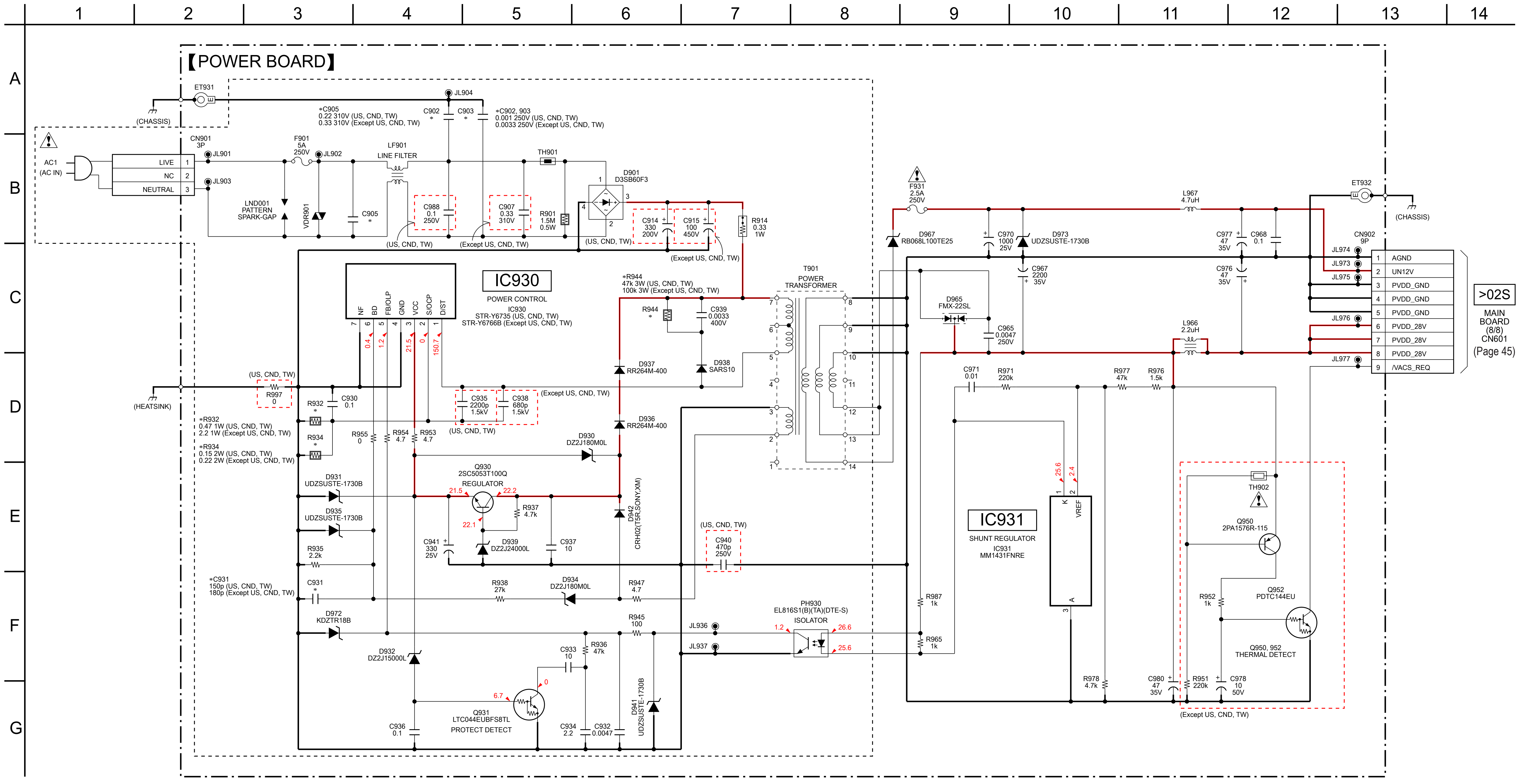
5-17. PRINTED WIRING BOARD - POWER Board - • : Uses unleaded solder.



Note: When C902, C903, C905, C914, C915, C941, C967, C970, C977, C978, C980, C988, D901, F931, LF901, R934, TH901 and VDR901 on the POWER board are replaced, refer to "BOND FIXATION OF ELECTRIC PARTS" on page 6.

5-18. SCHEMATIC DIAGRAM - POWER Board -

• See page 50 for IC Block Diagrams.

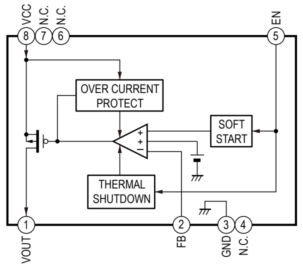


Note: When C902, C903, C905, C914, C915, C941, C967, C970, C977, C978, C980, C988, D901, F931, LF901, R934, TH901 and VDR901 on the POWER board are replaced, refer to "BOND FIXATION OF ELECTRIC PARTS" on page 6.

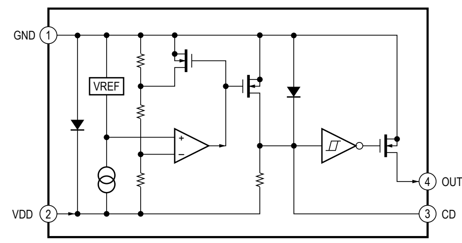
• **IC Block Diagrams**

– MAIN Board –

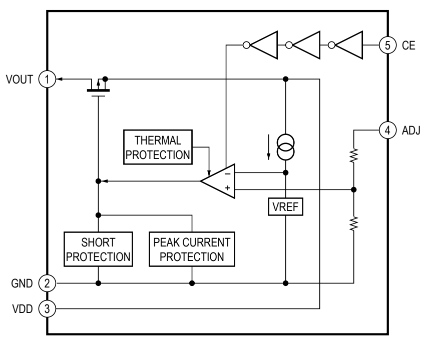
IC105 BD00IC0WEFJ-E2



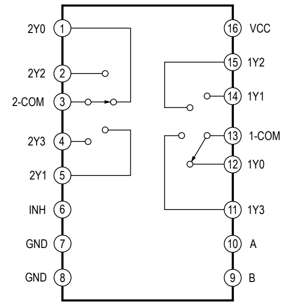
IC106 PST8429UL



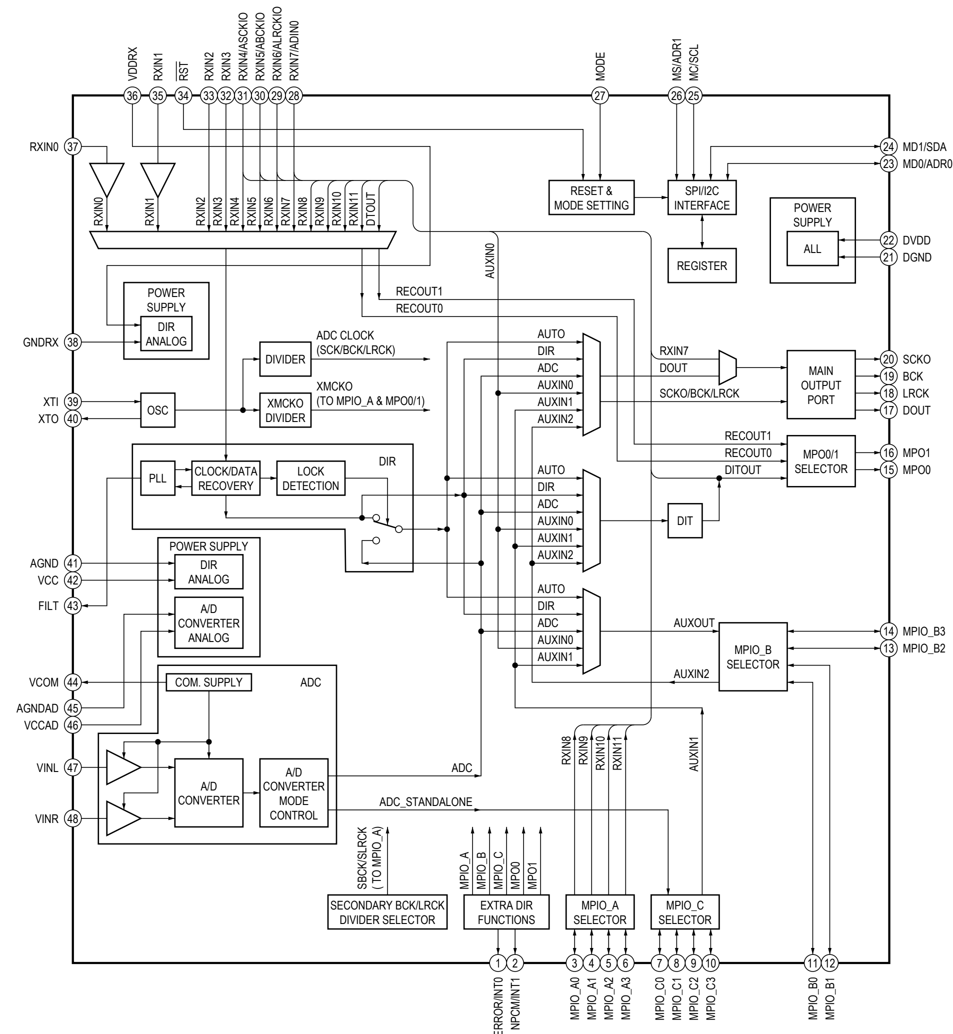
IC110 R1154N001C-TR-FE



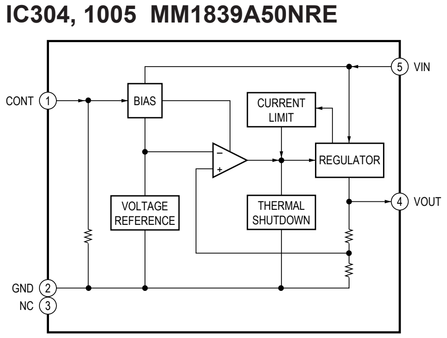
IC301 SN74LV4052APWR



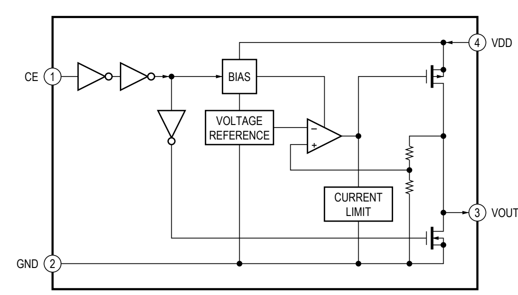
IC303 PCM9211PTR



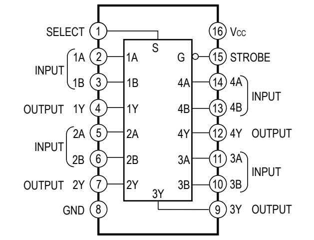
IC304, 1005 MM1839A50NRE



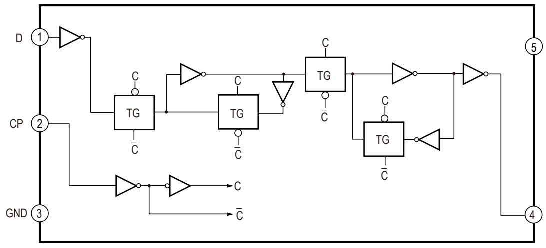
IC306 MM3411A33URE



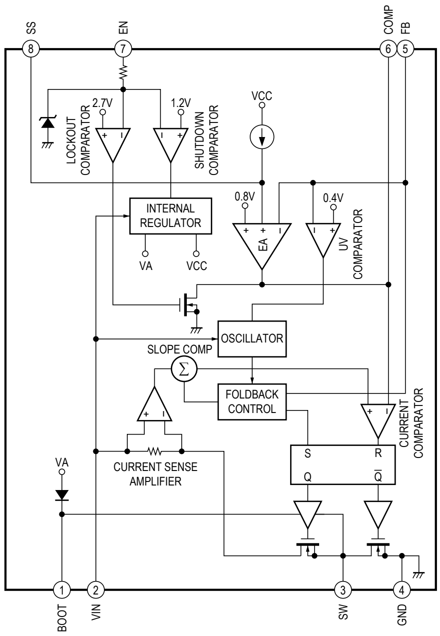
IC309 TC74VHC157FT (EK)



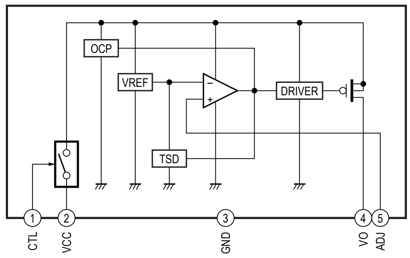
IC310 74LVC1G79GW-125



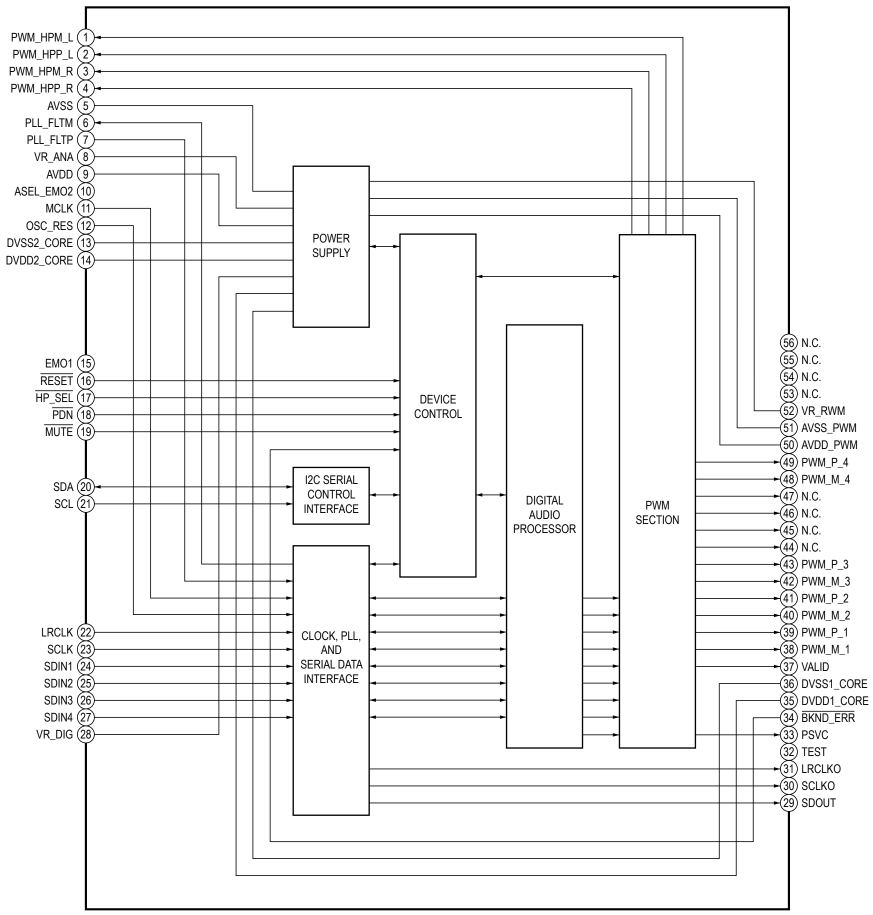
IC313, 601, 602 RT8295ALZSP



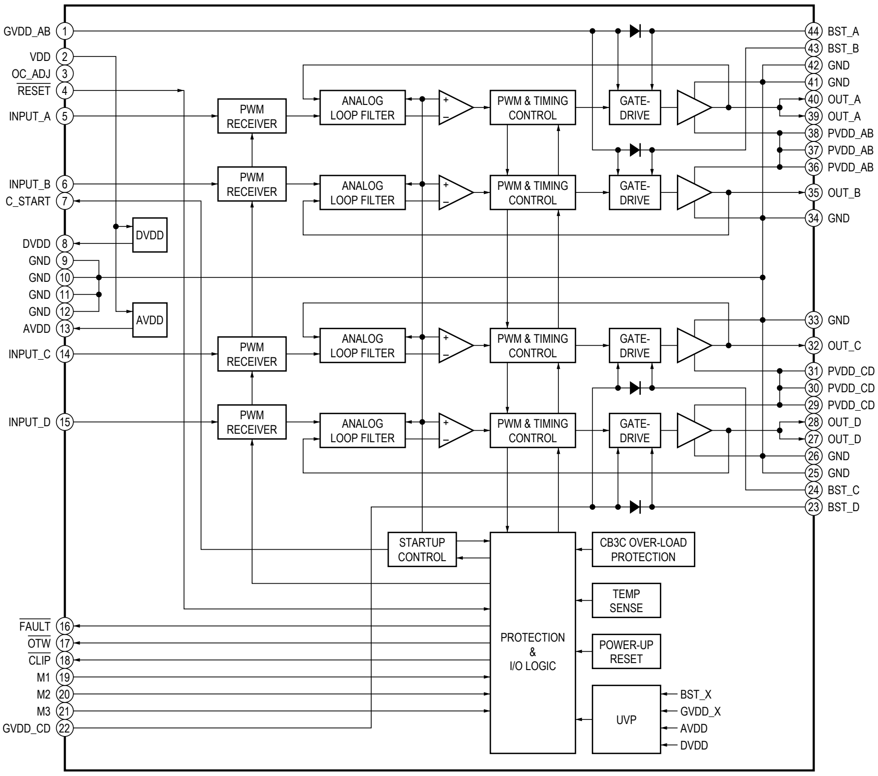
IC502 BD00C0AWFP-E2



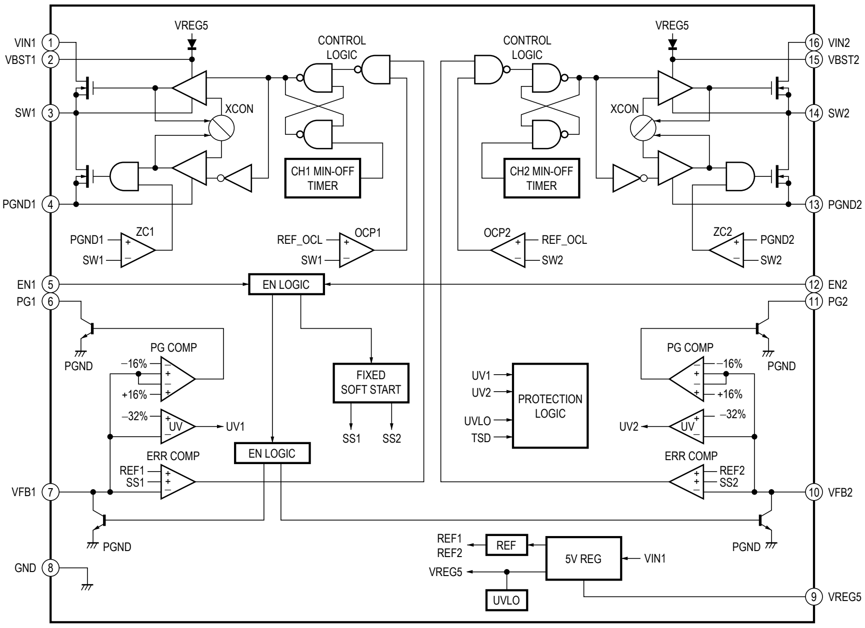
IC501 TAS5534DGGR



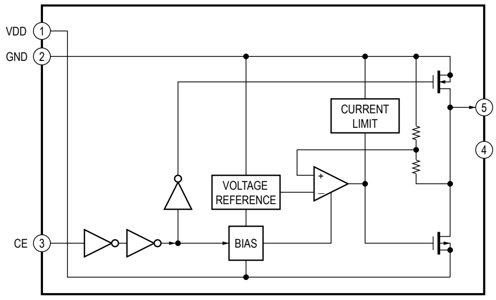
IC503 TAS5624ADDVR



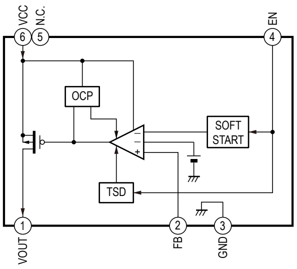
IC603 TPS542941PWPR



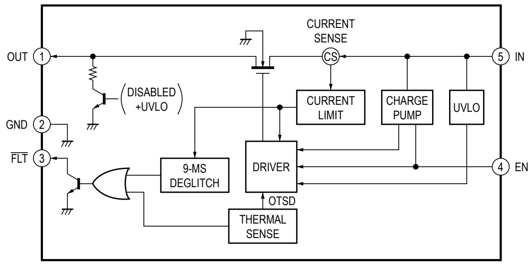
IC604 MM3411A50NRE



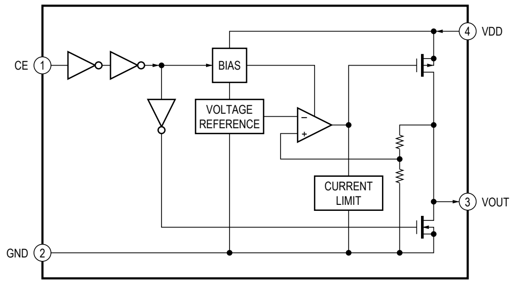
IC605 BD00IC0WHFV-GTR



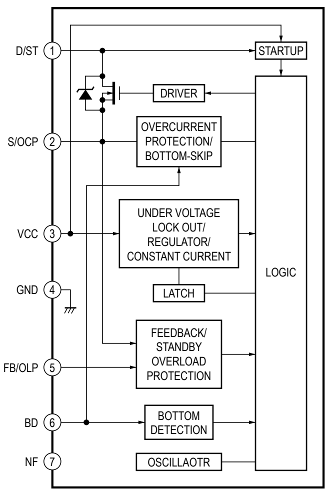
IC1802 TPS2065CDBVR



– FL Board –
IC803 MM3411A33URE



– POWER Board –
IC930 STR-Y6735 (US, Canadian and Taiwan models)
IC930 STR-Y6766B (Except US, Canadian and Taiwan models)



• **IC Pin Function Description**

MAIN BOARD IC102 MB9BF328SPMC-GE1 (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	VCC	-	Power supply terminal (+3.3V)
2	USB_FAULT	I	USB VBUS power over current detection signal input terminal
3	DIR_XSTATE	I	Source clock selection monitor input from the digital audio interface receiver
4	DIR_RST	O	Reset signal output to the digital audio interface receiver “L”: reset
5	DIR_DO	I	Serial data input from the digital audio interface receiver
6	DIR_DI (MC_DIRDO)	O	Serial data output to the digital audio interface receiver
7	DIR_CLK	O	Serial data transfer clock signal output to the digital audio interface receiver
8	DIR_ZERO	I	Zero data detection signal input from the digital audio interface receiver
9	DIR_ERROR	I	Error detection signal input from the digital audio interface receiver “L”: error
10	DIR_HCE	O	Chip enable signal output to the digital audio interface receiver
11	P_CONT3	O	Power on/off control signal output terminal “H”: power on
12	FL_CS	O	Chip select signal output to the fluorescent indicator tube
13	FL_RESET	O	Reset signal output to the fluorescent indicator tube “L”: reset
14	FL_DOUT	O	Serial data output to the fluorescent indicator tube
15	FL_CLK	O	Serial data transfer clock signal output to the fluorescent indicator tube
16	WS_INT	I	Interrupt signal input from the RF modulator
17	WS_SDA	I/O	Two-way data bus with the RF modulator
18	WS_SCL	O	Serial data transfer clock signal output to the RF modulator
19	WS_RST	O	Reset signal output to the RF modulator “L”: reset
20	HDMI (9678)_SDA	I/O	Two-way data bus with the HDMI transmitter
21	HDMI (9678)_SCL	O	Serial data transfer clock signal output to the HDMI transmitter
22	HDMI (9678)_RESET	O	Reset signal output to the HDMI transmitter “H”: reset
23	HDMI (9678)_INT	I	Interrupt signal input from the HDMI transmitter
24	NO USE	O	Not used
25	VSS	-	Ground terminal
26	DSP_ MISO	I	Serial data input from the serial flash and DSP
27	DSP_MOSI	O	Serial data output to the serial flash and DSP
28	DSP_SPICLK	O	Serial data transfer clock signal output to the serial flash and DSP
29	DSP_SPIDS	O	Chip select signal output to the serial flash and DSP
30	DSP_RESET	O	Reset signal output to the DSP “L”: reset
31	SF_HOLD_DSP	O	Hold signal output to the serial flash “L”: hold
32	DSP_INTR	I	Interrupt request signal input from the DSP
33	BT LED	O	LED drive signal output terminal for the Bluetooth indicator “H”: LED on
34	LED_PW (NO USE)	O	Not used
35	NFC IRQ	I	Radio data reception signal input from the NFC module
36	VSS	-	Ground terminal
37	VCC	-	Power supply terminal (+3.3V)
38	NFC_RFDET	I	Magnetic field detection signal input from the NFC module “L”: magnetic field is detected
39	NFC DATA	I/O	Two-way data bus with the NFC module
40	NFC CLK	O	Serial data transfer clock signal output to the NFC module
41	CP_RESET	O	Reset signal output to the MFI “L”: reset
42	CP_DATA	I/O	Two-way data bus with the MFI
43	CP_CLK	O	Serial data transfer clock signal output to the MFI
44	C	I	External capacitor connection terminal
45	VSS	-	Ground terminal
46	VCC	-	Power supply terminal (+3.3V)
47	DAMP_SOFT_MUTE	O	Soft muting on/off control signal output to stream processor “L”: muting on
48	NO USE (DRIVE_RST (EN))	O	Not used
49	INITX (RESET)	I	System reset signal input terminal “L”: reset For several hundreds msec. after the power supply rises, “L” is input, then it change to “H”
50	DC_DET	I	Speaker DC detection signal input terminal “L”: speaker DC is detected
51	PCONT_DRIVER	O	Power on/off control signal output terminal for the digital power amplifier “H”: power on
52	DAMP_PDN	O	Power down signal output to the stream processor “L”: power down
53	DAMP_INIT	O	Reset signal output to the stream processor “L”: reset
54	DAMP_SCLO	O	Serial data transfer clock signal output to the stream processor

Pin No.	Pin Name	I/O	Description
55	DAMP_SDAO	I/O	Two-way data bus with the stream processor
56	DRIVE_OCP (DIAG)	I	Shut down signal input from the digital power amplifier "L": shut down
57	AMP_OVF1	I	Overflow detection signal input from the digital power amplifier
58	HDMI_IN1_INT	I	Interrupt signal input from the HDMI receiver
59	HDMI_IN1_RESET	O	Reset signal output to the HDMI receiver "H": reset
60	5VPWR	O	+5V power on/off control signal output terminal for the ARC HDCP 2.2 HDMI OUT connector "H": power on
61	SPARTA_PCONT	O	Power on/off control signal output terminal for the HDMI section "H": power on
62	HDMI_NLPCM	O	Audio setting signal output terminal "L": LPCM audio, "H": HBR audio
63 to 67	NO USE	O	Not used
68	MD1	I	Mode selection signal input terminal "L": flash memory writing mode
69	MD0	I	Mode selection signal input terminal "H": flash memory writing mode
70	X0	I	System clock input terminal (4 MHz)
71	X1	O	System clock output terminal (4 MHz)
72	VSS	-	Ground terminal
73	VCC	-	Power supply terminal (+3.3V)
74	PCONT_IR	O	Not used
75	NO USE	O	Not used
76	P_CONT_DSP	O	Power on/off control signal output terminal for the DSP "H": power on
77	NO USE	O	Not used
78	Update UART Rx	I	Update data input terminal Not used
79	Update UART Tx	O	Update data output terminal Not used
80	NO USE	O	Not used
81	MODEL	I	Model setting terminal
82	DESTINATION	I	Destination setting terminal
83	TEMP_SENSOR	I	Temperature sensor input terminal Not used
84	NO USE	O	Not used
85	SIRCS_IN_1	I	SIRCS signal input from the remote control receiver
86	NO USE	O	Not used
87	SIRCS_IN_2	I	SIRCS signal input terminal Not used
88	KEY2	I	Top panel key input terminal
89	KEY0	I	Power key input terminal
90	AVCC	-	Power supply terminal (+3.3V)
91	AVSS	-	Ground terminal
92	AVRL	I	Reference voltage (0V) input terminal
93	AVRH	I	Reference voltage (+3.3V) input terminal
94	KEY1	I	Top panel key input terminal
95	ACCELEROMETER_SDA	I/O	Two-way data bus terminal Not used
96	ACCELEROMETER_SCL	O	Serial data transfer clock signal output terminal Not used
97	HDMI (9575+9679)_SCL	O	Serial data transfer clock signal output to the HDMI receiver and HDMI transceiver
98	HDMI(9575+9679)_SDA	I/O	Two-way data bus with the HDMI receiver and HDMI transceiver
99	HDMI (9575) INT	I	Interrupt signal input from the HDMI receiver
100	ON CHIP DEBUG/CLK1	I	Serial data transfer clock signal input terminal for flash memory writing
101	(PROG_VUTX)	O	Serial data output terminal for flash memory writing
102	(PROG_VURX)	I	Serial data input terminal for flash memory writing
103	AC_CUT	I	AC cut detection signal input terminal "L": AC cut is detected
104	HDMI (9575) RESET	O	Reset signal output to the HDMI transceiver "H": reset
105	HDMI_MUTE_DET	I	HDMI muting on/off control signal input from the HDMI transceiver "H": muting on
106	HDMI_MUTE_ON	O	HDMI muting on/off control signal output terminal "H": muting on
107	VCC	-	Power supply terminal (+3.3V)
108	VSS	-	Ground terminal
109	VCC	-	Power supply terminal (+3.3V)
110	TRSTX	I	Test reset signal input terminal (for JTAG) Not used
111	TCK	I	Test clock signal input terminal (for JTAG) Not used
112	TDI	I	Test data input terminal (for JTAG) Not used
113	TMS	I	Test mode selection signal input terminal (for JTAG) Not used

Pin No.	Pin Name	I/O	Description
114	TDO	O	Test data output terminal (for JTAG) Not used
115	FAN_CONT	O	Fan motor control signal output terminal Not used
116	EEPROM data in/out	I/O	Two-way data bus with the EEPROM
117	EEPROM clock	O	Serial data transfer clock signal output to the EEPROM
118	FAN_ON	O	Fan motor on/off control signal output terminal Not used
119, 120	P_CONT1, P_CONT2	O	Power on/off control signal output terminal "H": power on
121	PW_VACS_DET	I	Thermal detection signal input terminal (Except US, Canadian and Taiwan models only)
122, 123	NO USE	O	Not used
124	TEST_SDA	I/O	Two-way data bus terminal Not used
125	TEST_SCL	O	Serial data transfer clock signal output terminal Not used
126	VCC	-	Power supply terminal (+3.3V)
127	VSS	-	Ground terminal
128	ASEL0	O	Analog audio selection signal output terminal "L": external analog input, "H": Bluetooth
129	SEL_HDMI	O	HDMI selection signal output terminal "H": HDMI
130	PCONT_USB	O	USB VBUS power on/off control signal output terminal "H": power on
131	MC_BT_RTS	O	Return to send signal output to the Bluetooth module
132	MC_BT_CTS	I	Clear to send signal input from the Bluetooth module
133	BT_MUTE	I	Muting on/off control signal input from the Bluetooth module "L": muting on
134	MC_BT_TXD0	O	Serial data output to the Bluetooth module
135	MC_BT_RXD0	I	Serial data input from the Bluetooth module
136	BT_RST	O	Reset signal output to the Bluetooth module "L": reset
137	PCONT_BT	O	Power on/off control signal output terminal for the Bluetooth section "H": power on
138	NO USE (USB_EXT_PULLUP)	O	Not used
139	FLASH WRITE SEL	I	Flash memory writing mode selection signal input terminal "L": serial, "H": USB Fixed at "L" in this unit
140	CEC_TX_RX	I/O	Two-way CEC serial data with the HDMI connector
141	VCC	-	Power supply terminal (+3.3V)
142	USB DM	I	USB data (–) input from the UPDATE connector
143	USB DP	I	USB data (+) input from the UPDATE connector
144	VSS	-	Ground terminal

MAIN BOARD IC308 ADSST-AVR-3045 (DSP)

Pin No.	Pin Name	I/O	Description
1	VDD_INT	-	Power supply terminal (+1.1V) (for core)
2	CLK_CFG1	I	Core instruction rate to CLKIN (pin 12) ratio selection signal input terminal Fixed at “L” in this unit
3	BOOT_CFG0	I	Boot mode selection signal input terminal Fixed at “H” in this unit
4	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
5	VDD_INT	-	Power supply terminal (+1.1V) (for core)
6	BOOT_CFG1	I	Serial data input from the system controller
7	GND	-	Ground terminal
8, 9	NC	-	Not used
10	CLK_CFG0	I	Core instruction rate to CLKIN (pin 12) ratio selection signal input terminal Fixed at “L” in this unit
11	VDD_INT	-	Power supply terminal (+1.1V) (for core)
12	CLKIN	I	System clock input terminal (25 MHz)
13	XTAL	O	System clock output terminal (25 MHz)
14	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
15, 16	VDD_INT	-	Power supply terminal (+1.1V) (for core)
17	RESETOUT/ RUNRSTIN	I/O	Reset signal output and running reset signal input terminal Not used
18	VDD_INT	-	Power supply terminal (+1.1V) (for core)
19	MOSI	I	Serial data input from the system controller
20	MISO	O	Serial data output to the system controller
21	SPICLK	I	Serial data transfer clock signal input from the system controller
22	VDD_INT	-	Power supply terminal (+1.1V) (for core)
23	DPI_P05	I	Chip select signal input from the system controller
24	DSP_CS	I	Chip select signal input from the system controller
25	MD	-	Not used
26	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
27	DPI_P08	-	Not used
28	RESET_MAIN	-	Not used
29	VDD_INT	-	Power supply terminal (+1.1V) (for core)
30	UART_OUT	O	Serial data output terminal Not used
31	UART_IN	I	Serial data input terminal Not used
32	LED	-	Not used
33, 34	DPI_P12, DPI_P13	-	Not used
35	DAI_P03	-	Not used
36	DPI_P14	-	Not used
37 to 39	VDD_INT	-	Power supply terminal (+1.1V) (for core)
40	SL/SR_IN	I	Audio signal (for surround L-ch/R-ch) input from the digital audio interface receiver
41	SL/SR_OUT	O	Audio signal output terminal Not used
42	BCLK_IN	I	Bit clock signal input from the digital audio interface receiver
43	OPTION_L/ OPTION_R_OUT	O	Audio signal output terminal Not used
44	FRONTHI_L/R_OUT	O	Audio signal output terminal Not used
45	VDD_INT	-	Power supply terminal (+1.1V) (for core)
46	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
47	VDD_INT	-	Power supply terminal (+1.1V) (for core)
48	L/R_OUT	O	Audio signal (for front L-ch/R-ch) output to the stream processor
49	MID/SW2_OUT	O	Audio signal output terminal Not used
50	SBL/SBR_OUT	O	Audio signal output terminal Not used
51	ZONE_L/R	I/O	Not used
52	VDD_INT	-	Power supply terminal (+1.1V) (for core)
53	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
54	MCLK_IN	I	Master clock signal input from the digital audio interface receiver
55	VDD_INT	-	Power supply terminal (+1.1V) (for core)
56	C/SW1_OUT	O	Audio signal (for subwoofer) output to the stream processor and RF modulator
57	A/D_2CH	I	Audio signal input from the digital audio interface receiver
58	C/SW_IN	I	Audio signal (for center and subwoofer) input from the digital audio interface receiver
59	LRCLK_IN	I	L/R sampling clock signal input from the digital audio interface receiver
60	BCLK_OUT	O	Bit clock signal output to the stream processor and RF modulator

Pin No.	Pin Name	I/O	Description
61	LRCLK_OUT	O	L/R sampling clock signal output to the stream processor and RF modulator
62	SBL/SBR_IN	I	Audio signal (for surround back L-ch/R-ch) input from the digital audio interface receiver
63	L/R_IN	I	Audio signal (for front L-ch/R-ch) input from the digital audio interface receiver
64	VDD_INT	-	Power supply terminal (+1.1V) (for core)
65	DIR_IN	I	Audio signal input from the digital audio interface receiver
66, 67	VDD_INT	-	Power supply terminal (+1.1V) (for core)
68	GND	-	Ground terminal
69	THD_M	O	Thermal detection signal output terminal Not used
70	THD_P	I	Thermal detection signal input terminal Not used
71	VDD_THD	-	Power supply terminal (+3.3V)
72 to 76	VDD_INT	-	Power supply terminal (+1.1V) (for core)
77	FLAG0	O	Interrupt request signal output to the system controller
78, 79	VDD_INT	-	Power supply terminal (+1.1V) (for core)
80	FLAG1	I	Error detection signal input terminal "L": error
81	FLAG2	I	Audio setting signal input terminal "L": LPCM audio, "H": HBR audio
82	FLAG3	-	Not used
83	MLBCLK	-	Not used
84	MLBDAT	-	Not used
85	MLBDO	-	Not used
86	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
87	MLBSIG	-	Not used
88	VDD_INT	-	Power supply terminal (+1.1V) (for core)
89	MLBSO	-	Not used
90	TRST	I	Test reset signal input terminal (for JTAG) Not used
91	EMU	O	Emulation status signal output terminal Not used
92	TDO	O	Test data output terminal (for JTAG) Not used
93	VDD_EXT	-	Power supply terminal (+3.3V) (for I/O)
94	VDD_INT	-	Power supply terminal (+1.1V) (for core)
95	TDI	I	Test data input terminal (for JTAG) Not used
96	TCK	I	Test clock signal input terminal (for JTAG) Not used
97	VDD_INT	-	Power supply terminal (+1.1V) (for core)
98	RESET	I	Reset signal input from the system controller "L": reset
99	TMS	I	Test mode selection signal input terminal (for JTAG) Not used
100	VDD_INT	-	Power supply terminal (+1.1V) (for core)

MAIN BOARD IC1501 SII9573CTUC (HDMI TRANSCEIVER)

Pin No.	Pin Name	I/O	Description
1 to 6	D14 to D19	I	Digital video signal input terminal Not used
7	DE	I	Data enable signal input terminal Not used
8	VSYNC	I	Vertical sync signal input terminal Not used
9	HSYNC	I	Horizontal sync signal input terminal Not used
10	R0XC–	I	TMDS clock (negative) signal input terminal Not used
11	R0XC+	I	TMDS clock (positive) signal input terminal Not used
12	R0X0–	I	TMDS data (negative) input terminal Not used
13	R0X0+	I	TMDS data (positive) input terminal Not used
14	R0X1–	I	TMDS data (negative) input terminal Not used
15	R0X1+	I	TMDS data (positive) input terminal Not used
16	R0X2–	I	TMDS data (negative) input terminal Not used
17	R0X2+	I	TMDS data (positive) input terminal Not used
18	AVDD12	-	Power supply terminal (+1.3V)
19	AVDD33	-	Power supply terminal (+3.3V)
20	R1XC–	I	TMDS clock (negative) signal input from the HDMI IN 3 connector
21	R1XC+	I	TMDS clock (positive) signal input from the HDMI IN 3 connector
22	R1X0–	I	TMDS data (negative) input from the HDMI IN 3 connector
23	R1X0+	I	TMDS data (positive) input from the HDMI IN 3 connector
24	R1X1–	I	TMDS data (negative) input from the HDMI IN 3 connector
25	R1X1+	I	TMDS data (positive) input from the HDMI IN 3 connector
26	R1X2–	I	TMDS data (negative) input from the HDMI IN 3 connector
27	R1X2+	I	TMDS data (positive) input from the HDMI IN 3 connector
28	R2XC–	I	TMDS clock (negative) signal input terminal Not used
29	R2XC+	I	TMDS clock (positive) signal input terminal Not used
30	R2X0–	I	TMDS data (negative) input terminal Not used
31	R2X0+	I	TMDS data (positive) input terminal Not used
32	R2X1–	I	TMDS data (negative) input terminal Not used
33	R2X1+	I	TMDS data (positive) input terminal Not used
34	R2X2–	I	TMDS data (negative) input terminal Not used
35	R2X2+	I	TMDS data (positive) input terminal Not used
36	AVDD12	-	Power supply terminal (+1.3V)
37	CVCC12	-	Power supply terminal (+1.3V)
38	AVDD33	-	Power supply terminal (+3.3V)
39	R3XC–	I	TMDS clock (negative) signal input terminal Not used
40	R3XC+	I	TMDS clock (positive) signal input terminal Not used
41	R3X0–	I	TMDS data (negative) input terminal Not used
42	R3X0+	I	TMDS data (positive) input terminal Not used
43	R3X1–	I	TMDS data (negative) input terminal Not used
44	R3X1+	I	TMDS data (positive) input terminal Not used
45	R3X2–	I	TMDS data (negative) input terminal Not used
46	R3X2+	I	TMDS data (positive) input terminal Not used
47	R4XC–	I	TMDS clock (negative) signal input from the HDMI receiver
48	R4XC+	I	TMDS clock (positive) signal input from the HDMI receiver
49	R4X0–	I	TMDS data (negative) input from the HDMI receiver
50	R4X0+	I	TMDS data (positive) input from the HDMI receiver
51	R4X1–	I	TMDS data (negative) input from the HDMI receiver
52	R4X1+	I	TMDS data (positive) input from the HDMI receiver
53	R4X2–	I	TMDS data (negative) input from the HDMI receiver
54	R4X2+	I	TMDS data (positive) input from the HDMI receiver
55	AVDD12	-	Power supply terminal (+1.3V)
56	AVDD33	-	Power supply terminal (+3.3V)
57	R5XC–	I	TMDS clock (negative) signal input from the HDMI IN 2 connector
58	R5XC+	I	TMDS clock (positive) signal input from the HDMI IN 2 connector
59	R5X0–	I	TMDS data (negative) input from the HDMI IN 2 connector
60	R5X0+	I	TMDS data (positive) input from the HDMI IN 2 connector
61	R5X1–	I	TMDS data (negative) input from the HDMI IN 2 connector
62	R5X1+	I	TMDS data (positive) input from the HDMI IN 2 connector
63	R5X2–	I	TMDS data (negative) input from the HDMI IN 2 connector

Pin No.	Pin Name	I/O	Description
64	R5X2+	I	TMDS data (positive) input from the HDMI IN 2 connector
65	CVCC12	-	Power supply terminal (+1.3V)
66	CSCL	I	Serial data transfer clock signal input from the system controller
67	CSDA	I/O	Two-way data bus with the system controller and HDMI receiver
68	INT	O	Interrupt signal output to the system controller
69	RESET	I	Reset signal input from the system controller "L": reset
70	TPWR_CI2CA	I	Not used
71	CEC_A1	O	Not used
72	CEC_A0WAKEUP	O	Not used
73	DSDA6	I/O	Two-way I2C serial data bus terminal Not used
74	DSCL6	I	I2C serial data transfer clock signal input terminal Not used
75	LPSVCC33	I	Not used
76	DSDA0	I/O	Two-way I2C serial data bus terminal Not used
77	DSCL0	I	I2C serial data transfer clock signal input terminal Not used
78	CBUS_HPD0	O	Hot plug detection control signal output terminal Not used
79	R0PWR5V	I	Power supply voltage (+5V) input terminal Not used
80	DSDA1	I/O	Two-way I2C serial data bus with the HDMI IN 3 connector
81	DSCL1	I	I2C serial data transfer clock signal input from the HDMI IN 3 connector
82	CBUS_HPD1	O	Hot plug detection control signal output to the HDMI IN 3 connector
83	R1PWR5V	I	Power supply voltage (+5V) input from the HDMI IN 3 connector
84	DSDA2	I/O	Two-way I2C serial data bus terminal Not used
85	DSCL2	I	I2C serial data transfer clock signal input terminal Not used
86	CBUS_HPD2	O	Hot plug detection control signal output terminal Not used
87	R2PWR5V	I	Power supply voltage (+5V) input terminal Not used
88	DSDA3	I/O	Two-way I2C serial data bus terminal Not used
89	DSCL3	I	I2C serial data transfer clock signal input terminal Not used
90	CBUS_HPD3	O	Hot plug detection control signal output terminal Not used
91	R3PWR5V	I	Power supply voltage (+5V) input terminal Not used
92	DSDA4	I/O	Two-way I2C serial data bus with the HDMI IN 1 HDCP 2.2 connector
93	DSCL4	I	I2C serial data transfer clock signal input from the HDMI IN 1 HDCP 2.2 connector
94	CBUS_HPD4	O	Hot plug detection control signal output to the HDMI IN 1 HDCP 2.2 connector
95	R4PWR5V	I	Power supply voltage (+5V) input from the HDMI IN 1 HDCP 2.2 connector
96	RSVDL	I	Not used
97	DSDA5	I/O	Two-way I2C serial data bus with the HDMI IN 2 connector
98	DSCL5	I	I2C serial data transfer clock signal input from the HDMI IN 2 connector
99	CBUS_HPD5	O	Hot plug detection control signal output to the HDMI IN 2 connector
100	R5PWR5V	I	Power supply voltage (+5V) input from the HDMI IN 2 connector
101	SBVCC5V	-	Power supply terminal (+5V)
102	VCC33OUT	O	Power supply (+3.3V) output terminal
103, 104	MHL0_CD0/GPIO0, MHL1_CD1/GPIO1	I/O	Not used
105	TX_HPD0	I	Hot plug detection signal input from the HDMI transmitter
106	TXDSDA0	I/O	Two-way I2C serial data bus with the HDMI transmitter
107	TXDSCL0	O	I2C serial data transfer clock signal output to the HDMI transmitter
108	TX_HPD1	I	Hot plug detection signal input terminal Not used
109	TXDSDA1	I/O	Two-way I2C serial data bus terminal Not used
110	TXDSCL1	O	I2C serial data transfer clock signal output terminal Not used
111	APLL12	-	Power supply terminal (+1.3V)
112	XTALVCC33	-	Power supply terminal (+3.3V)
113	XTALOUT	O	System clock signal output terminal (27 MHz)
114	XTALIN	I	System clock signal input terminal (27 MHz)
115	XTALGND	-	Ground terminal
116	CVCC12	-	Power supply terminal (+1.3V)
117	SS/GPIO2	I/O	Not used
118	SCLK/GPIO3	I/O	Not used
119	SD0/GPIO4	I/O	Not used
120	SD1/GPIO5	I/O	Not used
121	WS0_OUT	O	L/R sampling clock signal output to the digital audio interface receiver
122	SCK0	O	Bit clock signal output to the digital audio interface receiver
123	IOVCC33	-	Power supply terminal (+3.3V)

Pin No.	Pin Name	I/O	Description
124	SD0_0	O	Digital audio signal output to the digital audio interface receiver
125	MCLK	O	Master clock signal output to the digital audio interface receiver
126 to 128	SD0_1 to SD0_3	O	Digital audio signal output to the digital audio interface receiver
129	MUTEOUT	O	HDMI muting on/off control signal output terminal "H": muting on
130	SPDIF0_OUT	O	S/PDIF audio signal output to the digital audio interface receiver
131	WS0_IN/GPIO11	I/O	Not used
132	SCK0_IN/GPIO10	I/O	Not used
133	SD0_IN/SPDIFO_IN	I	S/PDIF audio signal input terminal Not used
134	SCK1_IN/SCK1_OUT	O	Serial data transfer clock signal output terminal Not used
135	WS1_IN/WS1_OUT	O	Word select signal output terminal Not used
136	SD1_IN/SD1_OUT/ SPDIF1_IN/ SPDIF1_OUT	O	S/PDIF audio signal output terminal Not used
137, 138	ARC0, ARC1	I	Digital audio signal input terminal Not used
139	CVCC12	-	Power supply terminal (+1.3V)
140	TPVDD12	-	Power supply terminal (+1.3V)
141	TDVDD12	-	Power supply terminal (+1.3V)
142	T1XC–	O	TMDS clock (negative) output terminal Not used
143	T1XC+	O	TMDS clock (positive) output terminal Not used
144	T1X0–	O	TMDS data (negative) output terminal Not used
145	T1X0+	O	TMDS data (positive) output terminal Not used
146	T1X1–	O	TMDS data (negative) output terminal Not used
147	T1X1+	O	TMDS data (positive) output terminal Not used
148	T1X2–	O	TMDS data (negative) output terminal Not used
149	T1X2+	O	TMDS data (positive) output terminal Not used
150	TPVDD12	-	Power supply terminal (+1.3V)
151	TDVDD12	-	Power supply terminal (+1.3V)
152	T0XC–	O	TMDS clock (negative) output to the HDMI transmitter
153	T0XC+	O	TMDS clock (positive) output to the HDMI transmitter
154	T0X0–	O	TMDS data (negative) output to the HDMI transmitter
155	T0X0+	O	TMDS data (positive) output to the HDMI transmitter
156	T0X1–	O	TMDS data (negative) output to the HDMI transmitter
157	T0X1+	O	TMDS data (positive) output to the HDMI transmitter
158	T0X2–	O	TMDS data (negative) output to the HDMI transmitter
159	T0X2+	O	TMDS data (positive) output to the HDMI transmitter
160	CVCC12	-	Power supply terminal (+1.3V)
161 to 171	D0 to D10	I	Digital video signal input terminal Not used
172	IDCK	I	Output data clock signal input terminal Not used
173	IOVCC33	-	Power supply terminal (+3.3V)
174 to 176	D11 to D13	I	Digital video signal input terminal Not used

SECTION 6
EXPLODED VIEWS

Note:
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Color Indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ Parts Color ↑ Cabinet's Color

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

原理图和零件清单中标有⚠记号的零部件，或带有⚠记号的虚线所圈示的零部件，对于维系安全至关重要。因此只能以指定号码的零部件来更换。

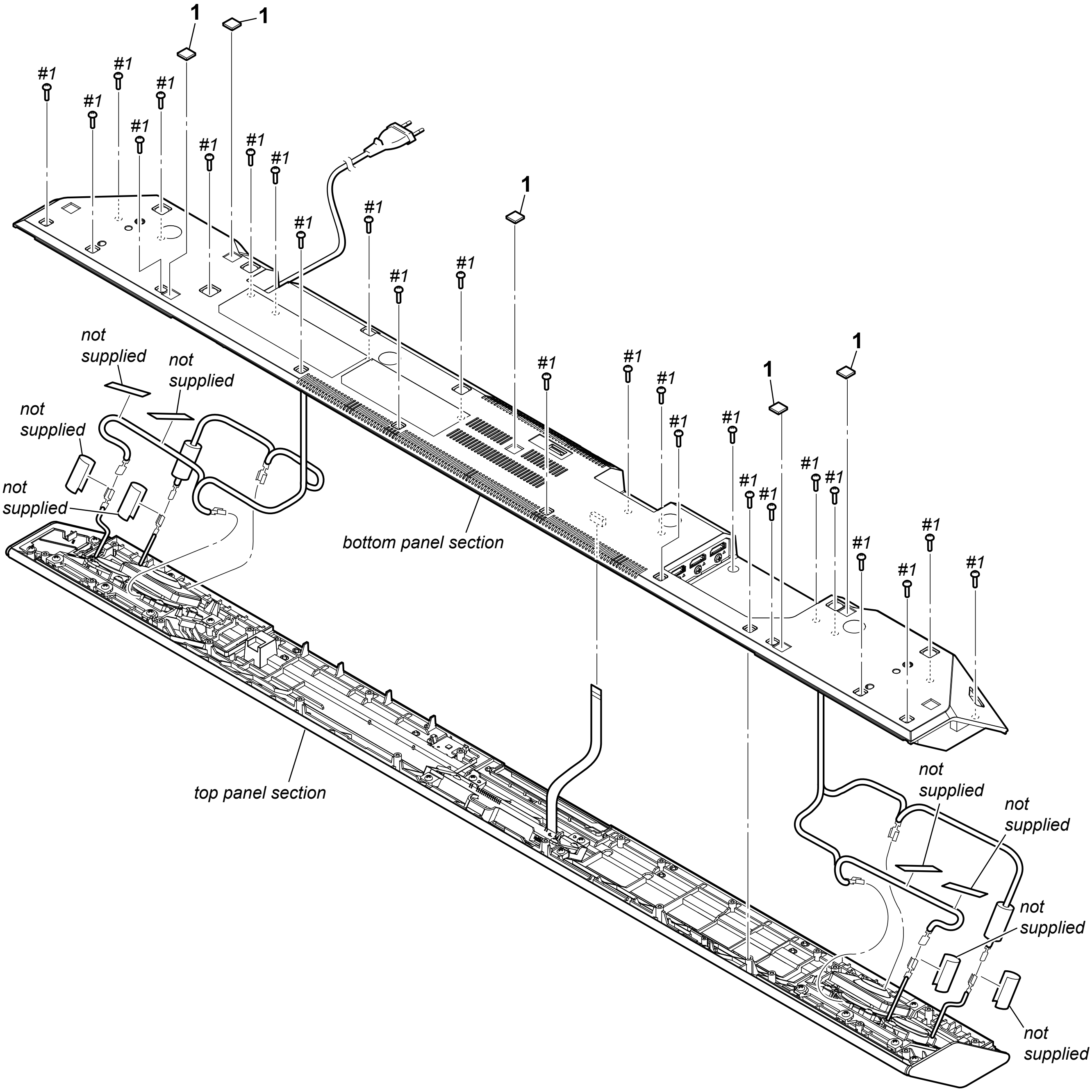
The components identified by mark 🔒 contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

Les composants identifiés par la marque 🔒 contiennent des informations confidentielles.
Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

标识有🔒的元件包含机密信息。
更换或维修元件时请严格遵守指示。

6-1. OVERALL SECTION

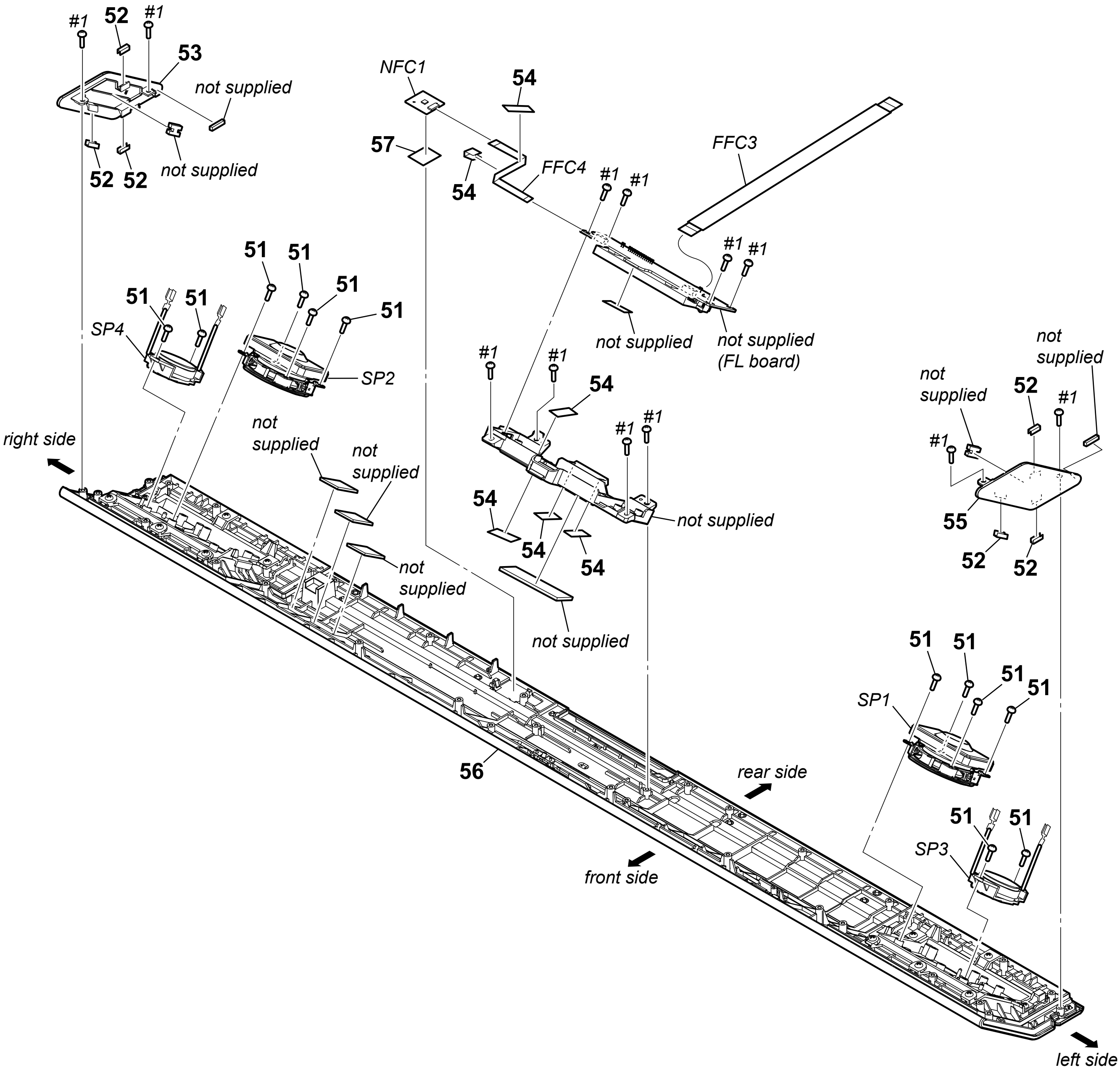
- Bottom view



Ref. No.	Part No.	Description	Remark
1	4-247-752-01	FOOT, RUBBER	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	

6-2. TOP PANEL SECTION

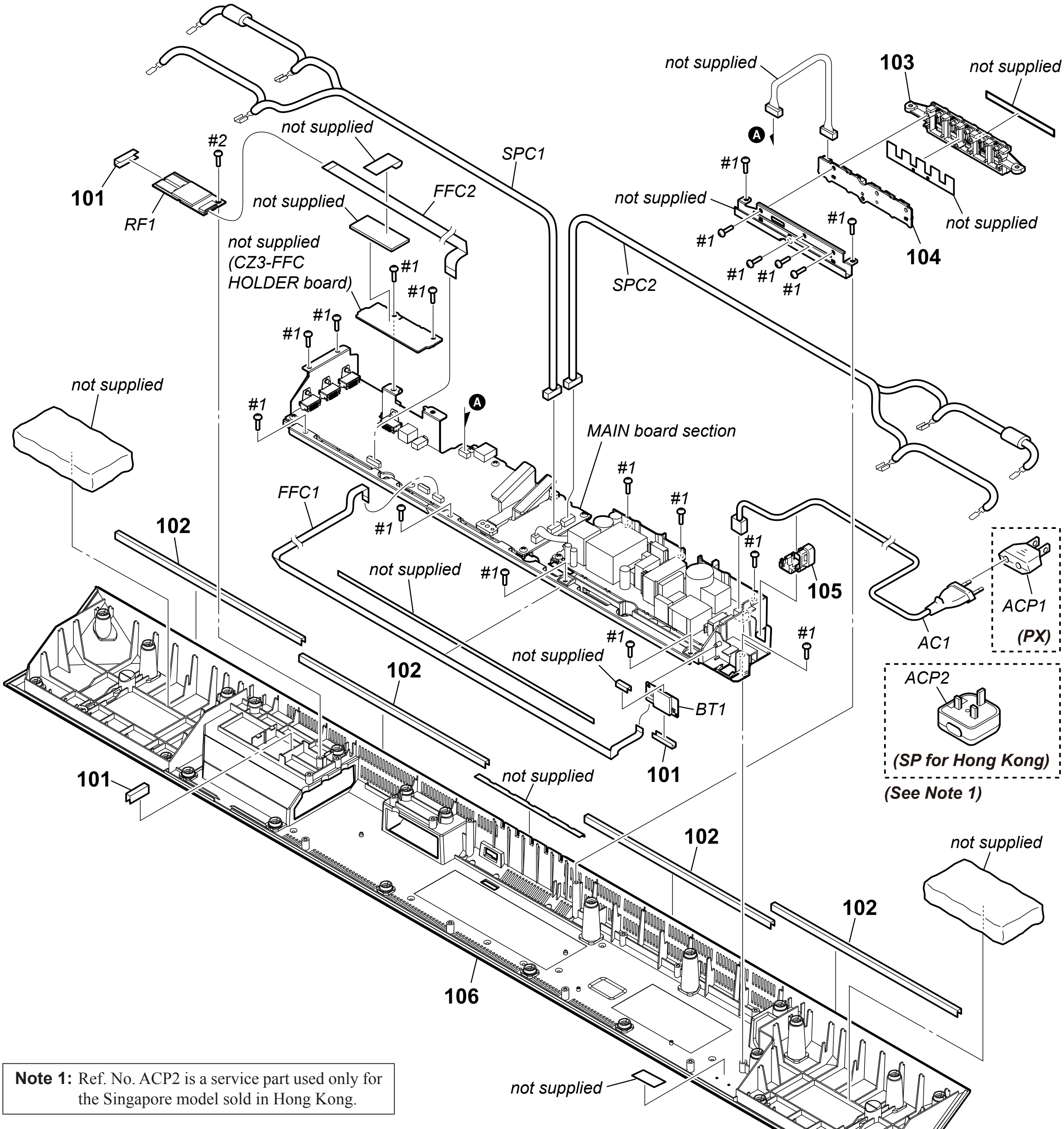
- Bottom view



Ref. No.	Part No.	Description	Remark
51	4-986-971-12	SCREW (3.5)	
52	4-549-339-01	CUSHION SIDE	
53	4-548-760-01	PANEL SIDE R (Right side)	
54	4-538-318-41	CUSHION (QV, A)	
55	4-548-759-01	PANEL SIDE L (Left side)	
56	X-2590-960-3	TOP PANEL ASSY (US, CND)	
56	X-2590-961-3	TOP PANEL ASSY (Except US, CND)	
57	4-569-646-01	DOUBLE SIDE TAPE (NFC)	
FFC3	9-833-606-94	FFC 18P	

Ref. No.	Part No.	Description	Remark
FFC4	9-833-606-97	FFC 6P	
NFC1	8-989-602-00	RC-S730 (WW) (NFC module)	
SP1	1-859-097-11	SPEAKER (60 mm) (Woofer) (L-ch)	
SP2	1-859-097-11	SPEAKER (60 mm) (Woofer) (R-ch)	
SP3	1-859-096-11	SPEAKER (19 mm) (Tweeter) (L-ch)	
SP4	1-859-096-11	SPEAKER (19 mm) (Tweeter) (R-ch)	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	

6-3. BOTTOM PANEL SECTION

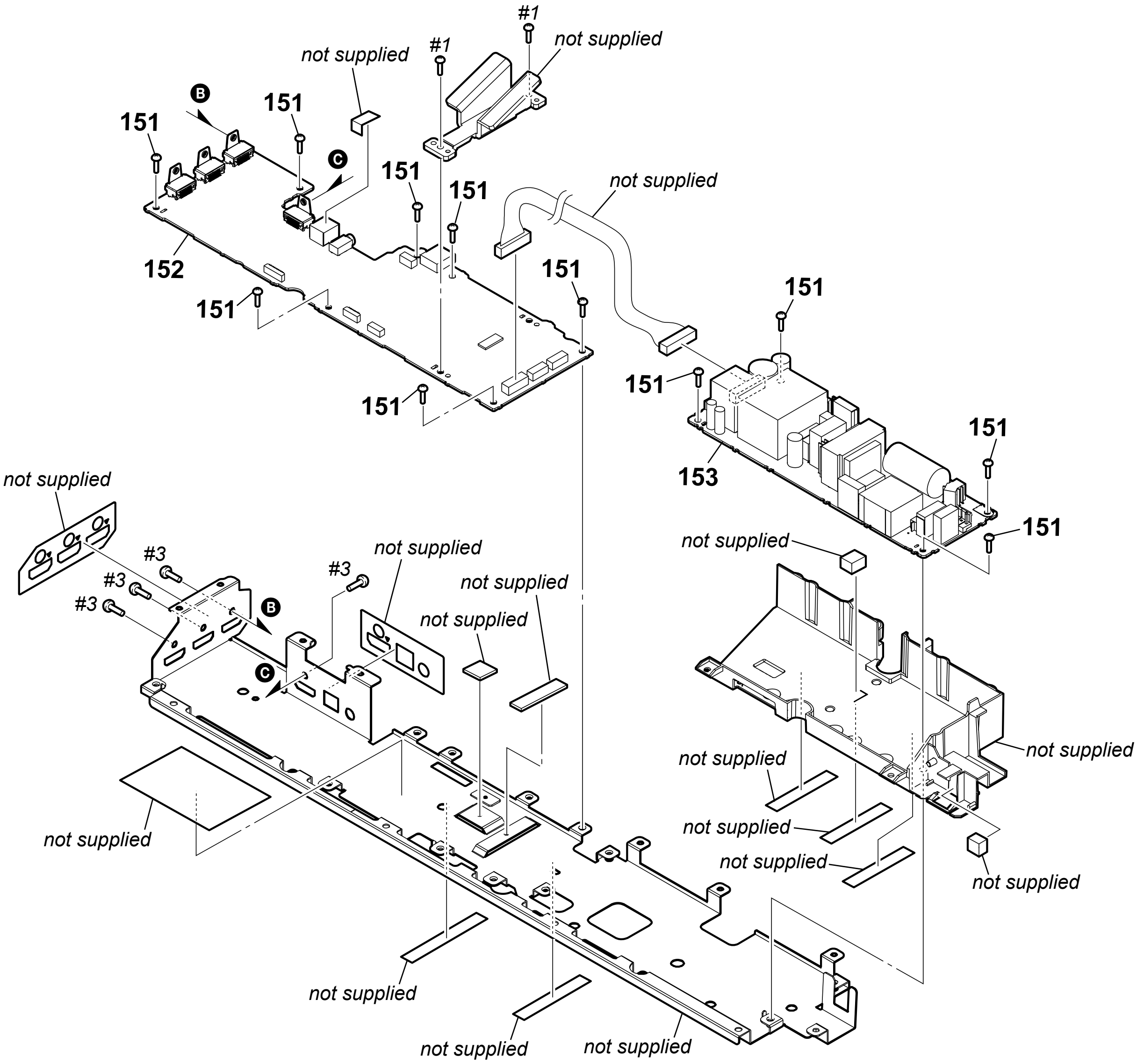


Note 1: Ref. No. ACP2 is a service part used only for the Singapore model sold in Hong Kong.

Note 2: When the RF modulator (Ref. No. RF1) is replaced, refer to "NOTES ON THE WIRELESS CONNECTION (LINK) AFTER REPAIRS ARE COMPLETE" on page 5.

Ref. No.	Part No.	Description	Remark
101	4-538-318-41	CUSHION (QV, A)	
102	4-564-649-02	SEALED PACKING CABI	
103	4-548-762-01	KEY	
104	A-2066-059-A	KEY BOARD, COMPLETE	
⚠ 105	4-966-267-12	BUSHING (FBS001), CORD	
106	X-2590-963-2	BOTTOM PANEL ASSY (US, CND)	
106	X-2590-964-2	BOTTOM PANEL ASSY (Except US, CND)	
⚠ AC1	1-834-966-42	POWER-SUPPLY CORD (AEP, E3, SP, PX)	
⚠ AC1	1-835-068-21	CORD, POWER (AUS)	
⚠ AC1	1-835-706-23	CORD, POWER-SUPPLY (BR)	
⚠ AC1	1-837-308-12	CORD, POWER-SUPPLY (US, CND)	
⚠ AC1	1-837-345-11	CORD, POWER-SUPPLY (TW)	
⚠ AC1	1-837-822-21	CORD, POWER-SUPPLY (CH)	
⚠ AC1	1-839-999-21	POWER-SUPPLY CORD (UK, EA3)	
⚠ ACP1	1-785-504-21	ADAPTOR, CONVERSION (PX)	
⚠ ACP2	1-770-019-72	ADAPTOR, CONVERSION PLUG 3P (SV) (SP for Hong Kong only) (See Note 1)	
BT1	1-490-558-92	BLUETOOTH MODULE	
FFC1	9-833-606-96	FFC 14P	
FFC2	9-833-606-95	FFC 24P	
RF1	1-492-347-11	RF MODULATOR (SWA12-4V TX) (See Note 2)	
SPC1	1-848-741-11	CONNECTION CABLE W/ SPK (L) (Left side)	
SPC2	1-848-742-11	CONNECTION CABLE W/ SPK (R) (Right side)	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	
#2	7-685-146-11	SCREW +P 3X8 TYPE2 NON-SLIT	

6-4. MAIN BOARD SECTION



Note 1: When the complete MAIN board is replaced, refer to "NOTE OF REPLACING THE IC503 ON THE MAIN BOARD AND THE COMPLETE MAIN BOARD" and "NOTES ON THE WIRELESS CONNECTION (LINK) AFTER REPAIRS ARE COMPLETE" on page 5.

Note 2: When the complete POWER board is replaced, refer to "BOND FIXATION OF ELECTRIC PARTS" on page 6.

Ref. No.	Part No.	Description	Remark
151	3-077-331-71	+BV3 (3-CR)	
🔒 152	A-2073-958-A	MAIN BOARD, COMPLETE (SV) (US, CND) (See Note 1)	
🔒 152	A-2073-960-A	MAIN BOARD, COMPLETE (SV) (PX) (See Note 1)	
🔒 152	A-2073-964-A	MAIN BOARD, COMPLETE (SV) (AEP) (See Note 1)	
🔒 152	A-2073-966-A	MAIN BOARD, COMPLETE (SV) (UK) (See Note 1)	
🔒 152	A-2073-968-A	MAIN BOARD, COMPLETE (SV) (EA3) (See Note 1)	
🔒 152	A-2073-970-A	MAIN BOARD, COMPLETE (SV) (E3) (See Note 1)	
🔒 152	A-2073-972-A	MAIN BOARD, COMPLETE (SV) (SP) (See Note 1)	
🔒 152	A-2073-974-A	MAIN BOARD, COMPLETE (SV) (CH) (See Note 1)	

Ref. No.	Part No.	Description	Remark
🔒 152	A-2073-976-A	MAIN BOARD, COMPLETE (SV) (AUS) (See Note 1)	
🔒 152	A-2073-978-A	MAIN BOARD, COMPLETE (SV) (TW) (See Note 1)	
🔒 152	A-2074-356-A	MAIN BOARD, COMPLETE (SV) (BR) (See Note 1)	
153	A-2066-054-A	POWER BOARD, COMPLETE (US, CND, TW) (See Note 2)	
153	A-2066-056-A	POWER BOARD, COMPLETE (Except US, CND, TW) (See Note 2)	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	
#3	7-682-546-09	SCREW +B 3X5	

SECTION 7
ELECTRICAL PARTS LIST

Note:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- CAPACITORS
  uF: μF
- COILS
  uH: μH
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA. . : μA. . , uPA. . , μPA. . ,
  uPB. . : μPB. . , uPC. . , μPC. . ,
  uPD. . : μPD. .

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

原理图和零件清单中标有⚠记号的零部件，或带有⚠记号的虚线所圈示的零部件，对于维系安全至关重要。因此只能以指定号码的零部件来更换。

The components identified by mark 🔒 contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

Les composants identifiés par la marque 🔒 contiennent des informations confidentielles.
Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

标识有🔒的元件包含机密信息。
更换或维修元件时请严格遵守指示。

	Ref. No.	Part No.	Description			Remark
			FL BOARD			
			********			
			< CAPACITOR >			
*	C801	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
	C808	1-118-039-11	CERAMIC CHIP	1uF	10%	25V
	C809	1-118-047-11	CERAMIC CHIP	10uF	10%	16V
*	C810	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
	C811	1-118-039-11	CERAMIC CHIP	1uF	10%	25V
	C812	1-118-952-11	CERAMIC CHIP	1uF	10%	50V
	C813	1-118-039-11	CERAMIC CHIP	1uF	10%	25V
	C814	1-118-039-11	CERAMIC CHIP	1uF	10%	25V
	C815	1-118-952-11	CERAMIC CHIP	1uF	10%	50V
	C816	1-118-039-11	CERAMIC CHIP	1uF	10%	25V
	C817	1-118-039-11	CERAMIC CHIP	1uF	10%	25V
	C818	1-118-361-11	CERAMIC CHIP	0.1uF	10%	50V
	C819	1-118-039-11	CERAMIC CHIP	1uF	10%	25V
	C820	1-118-417-11	CERAMIC CHIP	0.1uF	10%	16V
	C821	1-118-039-11	CERAMIC CHIP	1uF	10%	25V
	C822	1-118-289-11	CERAMIC CHIP	0.1uF	10%	16V
	C823	1-118-412-11	CERAMIC CHIP	220PF	10%	50V
	C824	1-118-412-11	CERAMIC CHIP	220PF	10%	50V
	C825	1-118-412-11	CERAMIC CHIP	220PF	10%	50V
			< CONNECTOR >			
	CN803	1-822-287-41	CONNECTOR, FFC/FPC 18P			
	CN804	1-816-654-61	FFC/CONNECTOR, FPC (LIF) 6P			
			< DIODE >			
	D801	6-503-196-01	LED CL-194S-HB8SP-SD-T (BLUETOOTH INDICATOR)			
	D802	6-502-961-01	DIODE DA2J10100L			
	D803	6-500-400-01	DIODE BAV99-215			
	D804	6-503-737-01	DIODE CES520			
	D805	6-500-400-01	DIODE BAV99-215			
	D806	6-502-241-01	DIODE KDZTR2.0B			
	D807	6-503-040-01	DIODE DZ2J300M0L			

Ref. No.	Part No.	Description			Remark
		< IC >			
IC801	6-600-767-01	IC PNA4823M02S0			
IC803	6-719-198-01	IC MM3411A33URE			
		< COIL >			
L801	1-481-524-11	INDUCTOR	10uH		
		< FLUORESCENT INDICATOR TUBE >			
ND801	1-483-520-11	VACUUM FLUORESCENT DISPLAY			
		< TRANSISTOR >			
Q801	6-552-941-01	TRANSISTOR	LTC023JUBFS8TL		
Q802	6-553-291-01	TRANSISTOR	BC817DPN		
		< RESISTOR >			
R809	1-216-809-11	METAL CHIP	100	5%	1/10W
R810	1-216-809-11	METAL CHIP	100	5%	1/10W
R811	1-218-937-11	METAL CHIP	47	5%	1/16W
R812	1-218-937-11	METAL CHIP	47	5%	1/16W
R813	1-218-969-11	METAL CHIP	22K	5%	1/16W
R814	1-218-965-11	METAL CHIP	10K	5%	1/16W
R816	1-216-839-11	METAL CHIP	33K	5%	1/10W
R817	1-216-833-11	METAL CHIP	10K	5%	1/10W
R818	1-216-797-11	METAL CHIP	10	5%	1/10W
R819	1-216-797-11	METAL CHIP	10	5%	1/10W
R820	1-250-656-11	METAL CHIP	47K	1%	1/10W
		< COMPOSITION CIRCUIT BLOCK >			
RB801	1-234-371-11	RES, NETWORK 47 (1005X4)			
RB802	1-234-372-11	RES, NETWORK 100 (1005X4)			

****

Ref. No.	Part No.	Description
	A-2066-059-A	KEY BOARD, COMPLETE
		*******************

When the KEY board is defective, replace the complete mounted board.

****

	Ref. No.	Part No.	Description			Remark
🔒		A-2073-958-A	MAIN BOARD, COMPLETE (SV) (US, CND) (See Note)			
🔒		A-2073-960-A	MAIN BOARD, COMPLETE (SV) (PX) (See Note)			
🔒		A-2073-964-A	MAIN BOARD, COMPLETE (SV) (AEP) (See Note)			
🔒		A-2073-966-A	MAIN BOARD, COMPLETE (SV) (UK) (See Note)			
🔒		A-2073-968-A	MAIN BOARD, COMPLETE (SV) (EA3) (See Note)			
🔒		A-2073-970-A	MAIN BOARD, COMPLETE (SV) (E3) (See Note)			
🔒		A-2073-972-A	MAIN BOARD, COMPLETE (SV) (SP) (See Note)			
🔒		A-2073-974-A	MAIN BOARD, COMPLETE (SV) (CH) (See Note)			
🔒		A-2073-976-A	MAIN BOARD, COMPLETE (SV) (AUS) (See Note)			
🔒		A-2073-978-A	MAIN BOARD, COMPLETE (SV) (TW) (See Note)			
🔒		A-2074-356-A	MAIN BOARD, COMPLETE (SV) (BR) (See Note)			
			********************			
			< CAPACITOR >			
	C101	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C102	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C103	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C104	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C105	1-116-724-11	CERAMIC CHIP	4.7uF	20%	6.3V
	C106	1-116-724-11	CERAMIC CHIP	4.7uF	20%	6.3V
	C107	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C108	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C109	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C110	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C113	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C114	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C115	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C116	1-116-724-11	CERAMIC CHIP	4.7uF	20%	6.3V
	C117	1-116-724-11	CERAMIC CHIP	4.7uF	20%	6.3V
	C118	1-118-403-11	CERAMIC CHIP	0.001uF	10%	50V
	C119	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C120	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C121	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C122	1-116-724-11	CERAMIC CHIP	4.7uF	20%	6.3V
	C123	1-118-403-11	CERAMIC CHIP	0.001uF	10%	50V
*	C124	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
	C125	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C126	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C128	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C129	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
*	C130	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
	C131	1-118-403-11	CERAMIC CHIP	0.001uF	10%	50V
	C133	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
	C134	1-116-745-11	CERAMIC CHIP	0.22uF	10%	6.3V
	C135	1-118-391-11	CERAMIC CHIP	0.01uF	10%	50V
	C136	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
	C137	1-118-391-11	CERAMIC CHIP	0.01uF	10%	50V
	C139	1-126-210-21	ELECT CHIP	220uF	20%	4V
	C140	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C141	1-118-389-11	CERAMIC CHIP	0.022uF	10%	25V
	C142	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C143	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
	C145	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
	C146	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C151	1-118-039-11	CERAMIC CHIP	1uF	10%	25V
	C154	1-118-039-11	CERAMIC CHIP	1uF	10%	25V
*	C301	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C302	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
	C303	1-164-866-11	CERAMIC CHIP	47PF	5%	50V
	C304	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C305	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
*	C306	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
	C307	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
	C308	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
	C309	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
	C310	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
	C311	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C312	1-164-852-11	CERAMIC CHIP	12PF	5%	50V
	C313	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
*	C314	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
	C315	1-164-852-11	CERAMIC CHIP	12PF	5%	50V
	C316	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C317	1-162-968-91	CERAMIC CHIP	0.0047uF	10%	50V
*	C318	1-118-387-11	CERAMIC CHIP	0.068uF	10%	16V
	C319	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C320	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
*	C321	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C322	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
	C323	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
	C324	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
	C325	1-164-858-11	CERAMIC CHIP	22PF	5%	50V
	C326	1-165-492-21	ELECT CHIP	100uF	20%	10V
	C327	1-164-858-11	CERAMIC CHIP	22PF	5%	50V
	C328	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
	C329	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
	C330	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
	C331	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
	C333	1-165-492-21	ELECT CHIP	100uF	20%	10V
	C334	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
	C336	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
	C337	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
*	C338	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
	C339	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C340	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C342	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C344	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C346	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C347	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C349	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C350	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C351	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C353	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C354	1-164-852-11	CERAMIC CHIP	12PF	5%	50V
	C356	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C357	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C359	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C360	1-164-852-11	CERAMIC CHIP	12PF	5%	50V
	C361	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C362	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C363	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C364	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C367	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C368	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C369	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
*	C370	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
	C371	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C373	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C374	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C375	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V

Note: When the complete MAIN board is replaced, refer to “NOTE OF REPLACING THE IC503 ON THE MAIN BOARD AND THE COMPLETE MAIN BOARD” and “NOTES ON THE WIRELESS CONNECTION (LINK) AFTER REPAIRS ARE COMPLETE” on page 5.

MAIN

	Ref. No.	Part No.	Description			Remark
	C377	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C378	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C379	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
*	C381	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
	C382	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C383	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C384	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C385	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C386	1-116-745-11	CERAMIC CHIP	0.22uF	10%	6.3V
	C387	1-126-210-21	ELECT CHIP	220uF	20%	4V
*	C388	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C389	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
	C390	1-116-865-11	CERAMIC CHIP	10uF	10%	25V
*	C391	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
	C392	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C393	1-118-389-11	CERAMIC CHIP	0.022uF	10%	25V
	C396	1-126-210-21	ELECT CHIP	220uF	20%	4V
	C397	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C398	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C501	1-118-391-11	CERAMIC CHIP	0.01uF	10%	50V
	C502	1-118-395-11	CERAMIC CHIP	0.0047uF	10%	50V
	C503	1-118-395-11	CERAMIC CHIP	0.0047uF	10%	50V
*	C504	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
	C505	1-118-395-11	CERAMIC CHIP	0.0047uF	10%	50V
*	C506	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
	C507	1-118-388-11	CERAMIC CHIP	0.047uF	10%	25V
	C508	1-118-388-11	CERAMIC CHIP	0.047uF	10%	25V
*	C509	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C510	1-116-735-11	CERAMIC CHIP	1uF	10%	16V
*	C511	1-116-735-11	CERAMIC CHIP	1uF	10%	16V
*	C512	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
	C513	1-118-044-11	CERAMIC CHIP	1uF	10%	50V
*	C514	1-116-735-11	CERAMIC CHIP	1uF	10%	16V
*	C515	1-116-735-11	CERAMIC CHIP	1uF	10%	16V
	C516	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
*	C517	1-116-735-11	CERAMIC CHIP	1uF	10%	16V
*	C518	1-116-735-11	CERAMIC CHIP	1uF	10%	16V
	C519	1-117-681-11	ELECT CHIP	100uF	20%	16V
	C520	1-118-391-11	CERAMIC CHIP	0.01uF	10%	50V
*	C521	1-116-735-11	CERAMIC CHIP	1uF	10%	16V
	C522	1-118-365-11	CERAMIC CHIP	0.047uF	10%	50V
	C523	1-118-365-11	CERAMIC CHIP	0.047uF	10%	50V
	C524	1-100-756-91	CERAMIC CHIP	0.047uF	10%	50V
	C525	1-118-365-11	CERAMIC CHIP	0.047uF	10%	50V
	C526	1-118-044-11	CERAMIC CHIP	1uF	10%	50V
	C527	1-118-044-11	CERAMIC CHIP	1uF	10%	50V
*	C530	1-118-407-11	CERAMIC CHIP	470PF	10%	50V
*	C531	1-118-407-11	CERAMIC CHIP	470PF	10%	50V
*	C532	1-118-407-11	CERAMIC CHIP	470PF	10%	50V
*	C533	1-118-407-11	CERAMIC CHIP	470PF	10%	50V
	C534	1-118-485-11	FILM CHIP	1uF	20%	35V
	C535	1-118-485-11	FILM CHIP	1uF	20%	35V
	C536	1-118-485-11	FILM CHIP	1uF	20%	35V
	C537	1-118-485-11	FILM CHIP	1uF	20%	35V
	C539	1-112-802-11	ELECT CHIP	330uF	20%	35V
	C542	1-112-802-11	ELECT CHIP	330uF	20%	35V
*	C546	1-118-360-11	CERAMIC CHIP	0.1uF	10%	25V
*	C547	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C548	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
	C549	1-100-158-91	CERAMIC CHIP	1000PF	5%	100V
	C550	1-100-158-91	CERAMIC CHIP	1000PF	5%	100V
	C551	1-100-158-91	CERAMIC CHIP	1000PF	5%	100V
	C552	1-100-158-91	CERAMIC CHIP	1000PF	5%	100V
	C601	1-118-389-11	CERAMIC CHIP	0.022uF	10%	25V
*	C602	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C603	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
	C604	1-116-865-11	CERAMIC CHIP	10uF	10%	25V
*	C605	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C606	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C608	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
	C610	1-118-389-11	CERAMIC CHIP	0.022uF	10%	25V
*	C611	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
	C612	1-165-492-21	ELECT CHIP	100uF	20%	10V
*	C613	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
	C615	1-116-865-11	CERAMIC CHIP	10uF	10%	25V
*	C616	1-116-714-11	CERAMIC CHIP	22uF	20%	6.3V
*	C617	1-116-714-11	CERAMIC CHIP	22uF	20%	6.3V
	C618	1-128-392-11	ELECT CHIP	470uF	20%	6.3V
	C619	1-128-392-11	ELECT CHIP	470uF	20%	6.3V
	C623	1-165-492-21	ELECT CHIP	100uF	20%	10V
	C624	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
	C625	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
*	C626	1-116-714-11	CERAMIC CHIP	22uF	20%	6.3V
*	C627	1-116-714-11	CERAMIC CHIP	22uF	20%	6.3V
*	C628	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
	C632	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C633	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
	C634	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
	C635	1-116-716-11	CERAMIC CHIP	10uF	10%	16V
	C636	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
	C638	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
	C639	1-116-716-11	CERAMIC CHIP	10uF	10%	16V
	C640	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C642	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
*	C645	1-116-714-11	CERAMIC CHIP	22uF	20%	6.3V
*	C646	1-116-714-11	CERAMIC CHIP	22uF	20%	6.3V
*	C647	1-116-719-11	CERAMIC CHIP	10uF	10%	6.3V
	C648	1-126-210-21	ELECT CHIP	220uF	20%	4V
	C650	1-100-354-21	ELECT CHIP	220uF	20%	6.3V
	C651	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C652	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C653	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C1001	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
*	C1002	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C1003	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1004	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1005	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C1006	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C1007	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
	C1008	1-116-724-11	CERAMIC CHIP	4.7uF	20%	6.3V
*	C1009	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1010	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
	C1011	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
*	C1012	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1013	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1014	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1015	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1016	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
	C1017	1-118-478-11	CERAMIC CHIP	2.2uF	10%	10V
*	C1018	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V

	Ref. No.	Part No.	Description			Remark
*	C1019	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1020	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1021	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1024	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1025	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1026	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1027	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1028	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1029	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1030	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C1031	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1032	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C1033	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
	C1034	1-116-724-11	CERAMIC CHIP	4.7uF	20%	6.3V
*	C1035	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1036	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1037	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1038	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
	C1041	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
*	C1042	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C1043	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1044	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1045	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C1046	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C1047	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
	C1048	1-116-724-11	CERAMIC CHIP	4.7uF	20%	6.3V
*	C1049	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1050	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
	C1051	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
*	C1052	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1053	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1054	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1055	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1056	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
	C1057	1-118-478-11	CERAMIC CHIP	2.2uF	10%	10V
*	C1058	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1059	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1060	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1061	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1064	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1065	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1066	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1067	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1068	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1069	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1070	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C1071	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1072	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C1073	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
	C1074	1-116-724-11	CERAMIC CHIP	4.7uF	20%	6.3V
*	C1075	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1076	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1077	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1078	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C1079	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
	C1084	1-118-040-11	CERAMIC CHIP	2.2uF	10%	16V
	C1085	1-118-040-11	CERAMIC CHIP	2.2uF	10%	16V
	C1086	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
	C1087	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
*	C1089	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V

	Ref. No.	Part No.	Description			Remark
	C1090	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
*	C1092	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C1501	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1502	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
	C1504	1-116-724-11	CERAMIC CHIP	4.7uF	20%	6.3V
	C1505	1-116-724-11	CERAMIC CHIP	4.7uF	20%	6.3V
	C1506	1-116-724-11	CERAMIC CHIP	4.7uF	20%	6.3V
*	C1507	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1509	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
	C1511	1-116-724-11	CERAMIC CHIP	4.7uF	20%	6.3V
*	C1512	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
	C1513	1-116-724-11	CERAMIC CHIP	4.7uF	20%	6.3V
*	C1514	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1515	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
	C1518	1-116-724-11	CERAMIC CHIP	4.7uF	20%	6.3V
*	C1519	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
	C1520	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
*	C1521	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C1522	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
	C1523	1-164-846-11	CERAMIC CHIP	6PF	0.5PF	50V
*	C1524	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1525	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C1526	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1527	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C1528	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
	C1529	1-164-846-11	CERAMIC CHIP	6PF	0.5PF	50V
*	C1530	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C1531	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1532	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1533	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C1534	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1535	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1536	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1537	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1538	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1539	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1540	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
*	C1541	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C1543	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C1544	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C1545	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C1546	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
*	C1801	1-116-719-11	CERAMIC CHIP	10uF	10%	6.3V
	C1802	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
	C1803	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
	C1804	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C1805	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
	C1806	1-118-459-11	CERAMIC CHIP	0.01uF	10%	25V
	C1807	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
	C1808	1-100-354-21	ELECT CHIP	220uF	20%	6.3V
			< CONNECTOR >			
	CN001	1-843-576-11	USB CONNECTOR (UPDATE)			
	CN103	1-815-763-71	CONNECTOR, FFC/FPC 24P			
	CN104	1-820-839-31	CONNECTOR, FFC/FPC (LIF) 18P			
	CN105	1-573-290-21	PIN, CONNECTOR (1.5 mm) (SMD) 4P			
	CN106	1-764-177-11	PIN, CONNECTOR (SMD) (1.5 mm) 7P			
	CN301	1-815-762-31	CONNECTOR, FFC/FPC (LIF) 14P			
	CN501	1-779-993-11	PIN, CONNECTOR (PWB) 5P			
	CN502	1-764-250-21	PIN, CONNECTOR (PC BOARD) 4P			
	CN601	1-816-296-21	PIN, CONNECTOR (PC BOARD) 9P			

MAIN

Ref. No.	Part No.	Description	Remark
CN1001	1-821-398-41	HDMI CONNECTOR (HDMI IN 1 HDCP 2.2)	
CN1004	1-821-398-41	HDMI CONNECTOR (ARC HDCP 2.2 HDMI OUT)	
CN1501	1-821-398-41	HDMI CONNECTOR (HDMI IN 2)	
CN1502	1-821-398-41	HDMI CONNECTOR (HDMI IN 3)	
		< DIODE >	
D102	6-503-761-01	DIODE RB751S40, 115	
D103	6-503-737-01	DIODE CES520	
D104	6-503-737-01	DIODE CES520	
D105	6-503-775-01	DIODE CRH02 (T5R, SONY, XM)	
D106	6-502-961-01	DIODE DA2J10100L	
D107	6-502-961-01	DIODE DA2J10100L	
D302	6-503-737-01	DIODE CES520	
D303	6-503-737-01	DIODE CES520	
D501	6-502-252-01	DIODE KDZTR5.6B	
D502	6-502-961-01	DIODE DA2J10100L	
D503	6-503-040-01	DIODE DZ2J300M0L	
D601	8-719-053-18	DIODE 1SR154-400TE-25	
D602	8-719-053-18	DIODE 1SR154-400TE-25	
D1801	8-719-053-18	DIODE 1SR154-400TE-25	
		< FUSE >	
⚠ F501	1-523-337-11	FUSE (5 A/32 V)	
⚠ F502	1-523-337-11	FUSE (5 A/32 V)	
		< FERRITE BEAD >	
FB101	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB103	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB105	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB107	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB301	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB302	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB303	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB304	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB501	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB502	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB602	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB604	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB606	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB607	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB608	1-400-180-21	INDUCTOR, EMI FERRITE (1608)	
FB1001	1-481-348-21	EMI FERRITE (SMD) (1608)	
FB1002	1-400-580-21	FERRITE, EMI (SMD)	
FB1003	1-481-348-21	EMI FERRITE (SMD) (1608)	
FB1004	1-481-348-21	EMI FERRITE (SMD) (1608)	
FB1005	1-400-580-21	FERRITE, EMI (SMD)	
FB1006	1-481-348-21	EMI FERRITE (SMD) (1608)	
FB1501	1-481-348-21	EMI FERRITE (SMD) (1608)	
FB1502	1-400-921-21	FERRITE, EMI (SMD)	
FB1503	1-400-580-21	FERRITE, EMI (SMD)	
FB1504	1-469-525-91	INDUCTOR 10uH	
FB1505	1-481-348-21	EMI FERRITE (SMD) (1608)	
		< FILTER >	
FL301	1-234-939-21	FILTER, EMI REMOVAL (SMD)	

Note 1: IC102, IC104, IC307, IC308, IC313, IC601 to IC603, IC605, IC1002, IC1004 and IC1501 on the MAIN board cannot replace with single. When these parts are damaged, replace the complete mounted board.

Ref. No.	Part No.	Description	Remark
		< IC/JACK >	
IC101	6-721-894-01	IC BR24G16FJ-3GTE2	
IC102	(Not supplied)	IC MB9BF328SPMC-GE1 (See Note 1)	
IC104	(Not supplied)	IC MFI337S3959 (See Note 1)	
IC105	6-717-680-01	IC BD00IC0WEFJ-E2	
IC106	6-713-333-01	IC PST8429UL	
IC110	6-712-825-01	IC R1154N001C-TR-FE	
IC301	8-759-596-39	IC SN74LV4052APWR	
IC302	8-759-278-58	IC NJM4558V-TE2	
IC303	6-716-745-01	IC PCM9211PTR	
IC304	6-718-999-01	IC MM1839A50NRE	
IC306	6-719-198-01	IC MM3411A33URE	
IC307	(Not supplied)	IC W25Q16DVSSIG (See Note 1)	
IC308	(Not supplied)	IC ADSST-AVR-3045 (See Note 1)	
IC309	6-707-870-01	IC TC74VHC157FT (EK)	
IC310	6-710-388-01	IC 74LVC1G79GW-125	
IC311	6-704-099-01	IC TC7WZ08FK	
IC312	8-759-655-22	IC TC7WH34FK	
IC313	(Not supplied)	IC RT8295ALZSP (See Note 1)	
IC501	6-718-105-01	IC TAS5534DGGR	
IC502	6-718-377-01	IC BD00C0AWFP-E2	
IC503	6-721-021-01	IC TAS5624ADDVR (See Note 2)	
IC601	(Not supplied)	IC RT8295ALZSP (See Note 1)	
IC602	(Not supplied)	IC RT8295ALZSP (See Note 1)	
IC603	(Not supplied)	IC TPS542941PWPR (See Note 1)	
IC604	6-719-139-01	IC MM3411A50NRE	
IC605	(Not supplied)	IC BD00IC0WHFV-GTR (See Note 1)	
IC1001	6-719-062-01	IC W25X20CLSNIG	
IC1002	(Not supplied)	IC SII9679CNUC (See Note 1)	
IC1003	6-719-062-01	IC W25X20CLSNIG	
IC1004	(Not supplied)	IC SII9678CNUC	
IC1005	6-718-999-01	IC MM1839A50NRE	
IC1006	6-709-888-01	IC TC7WHU04FK	
IC1501	(Not supplied)	IC SII9573CTUC	
IC1801	1-843-541-11	OPTICAL RECEIVER JACK (TV DIGITAL IN)	
IC1802	6-720-030-01	IC TPS2065CDBVR	
		< JACK >	
* J1801	1-842-576-11	MINI JACK (RA) (ANALOG IN)	
		< JUMPER RESISTOR >	
JC501	1-216-864-11	SHORT CHIP 0	
JC502	1-216-864-11	SHORT CHIP 0	
JC503	1-216-864-11	SHORT CHIP 0	
JC504	1-216-864-11	SHORT CHIP 0	
JC505	1-216-864-11	SHORT CHIP 0	
JC506	1-216-864-11	SHORT CHIP 0	
		< COIL >	
L301	1-481-524-11	INDUCTOR 10uH	
L302	1-481-524-11	INDUCTOR 10uH	
L303	1-481-524-11	INDUCTOR 10uH	
L304	1-400-922-11	INDUCTOR 220uH	
L305	1-412-975-31	INDUCTOR 0.47uH	
L306	1-412-977-41	INDUCTOR 0.68uH	
L307	1-412-977-41	INDUCTOR 0.68uH	
L308	1-460-601-11	COIL, CHOKE 10uH	
L501	1-469-555-21	INDUCTOR 10uH	
L503	1-482-182-11	CHOKE COIL (SMD 10uH)	

Note 2: When the IC503 on the MAIN board is replaced, refer to "NOTE OF REPLACING THE IC503 ON THE MAIN BOARD AND THE COMPLETE MAIN BOARD" on page 5.

Ref. No.	Part No.	Description				Remark
L504	1-482-182-11	CHOKE COIL (SMD 10uH)				
L505	1-482-182-11	CHOKE COIL (SMD 10uH)				
L506	1-482-182-11	CHOKE COIL (SMD 10uH)				
L602	1-460-601-11	COIL, CHOKE	10uH			
L604	1-460-601-11	COIL, CHOKE	10uH			
L607	1-460-358-11	COIL, CHOKE 2.2uH (4018)				
L608	1-460-358-11	COIL, CHOKE 2.2uH (4018)				
		< TRANSISTOR >				
Q101	6-552-936-01	TRANSISTOR	LTC014EUBFS8TL			
Q102	6-552-936-01	TRANSISTOR	LTC014EUBFS8TL			
Q103	6-552-936-01	TRANSISTOR	LTC014EUBFS8TL			
Q104	6-552-760-01	FET	SSM3J325F, LSOYF			
Q105	6-552-936-01	TRANSISTOR	LTC014EUBFS8TL			
Q106	6-550-585-01	TRANSISTOR	2PC4081R-115			
Q301	6-552-936-01	TRANSISTOR	LTC014EUBFS8TL			
Q302	6-552-936-01	TRANSISTOR	LTC014EUBFS8TL			
Q303	6-550-586-01	TRANSISTOR	2PA1576R-115			
Q501	6-552-892-01	TRANSISTOR	LSCR523UBFS8TL			
Q502	8-729-013-22	TRANSISTOR	HN1A01FU			
Q503	8-729-013-22	TRANSISTOR	HN1A01FU			
		< RESISTOR >				
R101	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	
R102	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	
R103	1-218-941-81	METAL CHIP	100	5%	1/16W	
R104	1-218-941-81	METAL CHIP	100	5%	1/16W	
R106	1-218-941-81	METAL CHIP	100	5%	1/16W	
R107	1-218-941-81	METAL CHIP	100	5%	1/16W	
R108	1-218-941-81	METAL CHIP	100	5%	1/16W	
R109	1-218-941-81	METAL CHIP	100	5%	1/16W	
R111	1-216-864-11	SHORT CHIP	0			
R112	1-216-864-11	SHORT CHIP	0			
R113	1-216-864-11	SHORT CHIP	0			
R116	1-218-941-81	METAL CHIP	100	5%	1/16W	
R117	1-218-934-11	METAL CHIP	27	5%	1/16W	
R118	1-218-934-11	METAL CHIP	27	5%	1/16W	
R125	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R126	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R127	1-218-973-11	METAL CHIP	47K	5%	1/16W	
R128	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	
R129	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R130	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R131	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R132	1-218-970-81	METAL CHIP	27K	5%	1/16W	
R133	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R134	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R135	1-218-973-11	METAL CHIP	47K	5%	1/16W	
R136	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R140	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R141	1-218-973-11	METAL CHIP	47K	5%	1/16W	
R143	1-218-941-81	METAL CHIP	100	5%	1/16W	
R148	1-218-941-81	METAL CHIP	100	5%	1/16W	
R150	1-216-864-11	SHORT CHIP	0			
R153	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R154	1-218-941-81	METAL CHIP	100	5%	1/16W	
R155	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R156	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	
R157	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	
R158	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R160	1-218-941-81	METAL CHIP	100	5%	1/16W	
R161	1-218-937-11	METAL CHIP	47	5%	1/16W	
R162	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R164	1-218-941-81	METAL CHIP	100	5%	1/16W	
R165	1-218-937-11	METAL CHIP	47	5%	1/16W	
R169	1-218-941-81	METAL CHIP	100	5%	1/16W	
R174	1-218-941-81	METAL CHIP	100	5%	1/16W	
R175	1-218-941-81	METAL CHIP	100	5%	1/16W	
R176	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	(Except AEP, UK)
R176	1-216-864-11	SHORT CHIP	0 (AEP, UK)			
R177	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	(Except AEP, UK)
R178	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R179	1-218-941-81	METAL CHIP	100	5%	1/16W	
R180	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R181	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R182	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R183	1-218-941-81	METAL CHIP	100	5%	1/16W	
R184	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R185	1-218-941-81	METAL CHIP	100	5%	1/16W	
R186	1-218-959-11	METAL CHIP	3.3K	5%	1/16W	
R187	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	
R189	1-218-941-81	METAL CHIP	100	5%	1/16W	
R190	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R191	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	
R192	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R193	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	
R194	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	
R195	1-218-953-11	METAL CHIP	1K	5%	1/16W	
R196	1-218-941-81	METAL CHIP	100	5%	1/16W	
R197	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	
R198	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	
R199	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	
R200	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	
R201	1-218-959-11	METAL CHIP	3.3K	5%	1/16W	
R202	1-218-953-11	METAL CHIP	1K	5%	1/16W	
R203	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R208	1-216-864-11	SHORT CHIP	0			
R209	1-218-941-81	METAL CHIP	100	5%	1/16W	
R210	1-218-941-81	METAL CHIP	100	5%	1/16W	
R211	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R212	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R214	1-218-973-11	METAL CHIP	47K	5%	1/16W	
R215	1-218-977-11	METAL CHIP	100K	5%	1/16W	
R216	1-218-973-11	METAL CHIP	47K	5%	1/16W	
R217	1-218-941-81	METAL CHIP	100	5%	1/16W	
R218	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R219	1-218-959-11	METAL CHIP	3.3K	5%	1/16W	
R220	1-218-969-11	METAL CHIP	22K	5%	1/16W	
R221	1-218-973-11	METAL CHIP	47K	5%	1/16W	
R222	1-218-971-81	METAL CHIP	33K	5%	1/16W	
R223	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R224	1-218-949-11	METAL CHIP	470	5%	1/16W	
R231	1-218-941-81	METAL CHIP	100	5%	1/16W	
R232	1-218-941-81	METAL CHIP	100	5%	1/16W	
R233	1-218-941-81	METAL CHIP	100	5%	1/16W	
R235	1-218-959-11	METAL CHIP	3.3K	5%	1/16W	
R236	1-218-965-11	METAL CHIP	10K	5%	1/16W	
R239	1-218-941-81	METAL CHIP	100	5%	1/16W	

MAIN

Ref. No.	Part No.	Description			Remark
R241	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R255	1-218-941-81	METAL CHIP	100	5%	1/16W
R301	1-218-941-81	METAL CHIP	100	5%	1/16W
R302	1-218-941-81	METAL CHIP	100	5%	1/16W
R303	1-218-941-81	METAL CHIP	100	5%	1/16W
R304	1-218-941-81	METAL CHIP	100	5%	1/16W
R305	1-218-941-81	METAL CHIP	100	5%	1/16W
R306	1-218-941-81	METAL CHIP	100	5%	1/16W
R307	1-218-941-81	METAL CHIP	100	5%	1/16W
R308	1-218-965-11	METAL CHIP	10K	5%	1/16W
R309	1-218-965-11	METAL CHIP	10K	5%	1/16W
R310	1-218-977-11	METAL CHIP	100K	5%	1/16W
R311	1-216-864-11	SHORT CHIP	0		
R312	1-218-977-11	METAL CHIP	100K	5%	1/16W
R313	1-218-977-11	METAL CHIP	100K	5%	1/16W
R314	1-250-537-11	METAL CHIP	56K	1%	1/16W
R315	1-218-977-11	METAL CHIP	100K	5%	1/16W
R316	1-218-973-11	METAL CHIP	47K	5%	1/16W
R317	1-218-973-11	METAL CHIP	47K	5%	1/16W
R318	1-250-537-11	METAL CHIP	56K	1%	1/16W
R319	1-250-525-11	METAL CHIP	18K	1%	1/16W
R320	1-218-941-81	METAL CHIP	100	5%	1/16W
R321	1-250-537-11	METAL CHIP	56K	1%	1/16W
R322	1-218-990-81	SHORT CHIP	0		
R323	1-218-973-11	METAL CHIP	47K	5%	1/16W
R324	1-218-973-11	METAL CHIP	47K	5%	1/16W
R325	1-218-941-81	METAL CHIP	100	5%	1/16W
R326	1-250-537-11	METAL CHIP	56K	1%	1/16W
R327	1-218-941-81	METAL CHIP	100	5%	1/16W
R328	1-218-941-81	METAL CHIP	100	5%	1/16W
R329	1-218-941-81	METAL CHIP	100	5%	1/16W
R331	1-218-945-11	METAL CHIP	220	5%	1/16W
R332	1-218-945-11	METAL CHIP	220	5%	1/16W
R333	1-218-941-81	METAL CHIP	100	5%	1/16W
R334	1-218-965-11	METAL CHIP	10K	5%	1/16W
R335	1-218-941-81	METAL CHIP	100	5%	1/16W
R336	1-218-941-81	METAL CHIP	100	5%	1/16W
R337	1-208-715-11	METAL CHIP	22K	0.5%	1/16W
R338	1-208-715-11	METAL CHIP	22K	0.5%	1/16W
R339	1-208-715-11	METAL CHIP	22K	0.5%	1/16W
R340	1-208-715-11	METAL CHIP	22K	0.5%	1/16W
R341	1-218-941-81	METAL CHIP	100	5%	1/16W
R342	1-218-941-81	METAL CHIP	100	5%	1/16W
R343	1-208-927-11	METAL CHIP	47K	0.5%	1/16W
R344	1-208-927-11	METAL CHIP	47K	0.5%	1/16W
R345	1-218-989-11	METAL CHIP	1M	5%	1/16W
R346	1-218-941-81	METAL CHIP	100	5%	1/16W
R347	1-218-977-11	METAL CHIP	100K	5%	1/16W
R348	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R349	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R351	1-218-951-11	METAL CHIP	680	5%	1/16W
R352	1-218-953-11	METAL CHIP	1K	5%	1/16W
R353	1-218-953-11	METAL CHIP	1K	5%	1/16W
R354	1-208-927-11	METAL CHIP	47K	0.5%	1/16W
R355	1-218-977-11	METAL CHIP	100K	5%	1/16W
R356	1-218-977-11	METAL CHIP	100K	5%	1/16W
R357	1-208-927-11	METAL CHIP	47K	0.5%	1/16W
R358	1-218-941-81	METAL CHIP	100	5%	1/16W
R359	1-218-941-81	METAL CHIP	100	5%	1/16W
R360	1-218-941-81	METAL CHIP	100	5%	1/16W
R361	1-218-941-81	METAL CHIP	100	5%	1/16W
R362	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R363	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R364	1-218-941-81	METAL CHIP	100	5%	1/16W
R365	1-218-941-81	METAL CHIP	100	5%	1/16W
R366	1-218-943-11	METAL CHIP	150	5%	1/16W
R367	1-218-941-81	METAL CHIP	100	5%	1/16W
R368	1-218-941-81	METAL CHIP	100	5%	1/16W
R369	1-218-941-81	METAL CHIP	100	5%	1/16W
R370	1-218-941-81	METAL CHIP	100	5%	1/16W
R371	1-218-941-81	METAL CHIP	100	5%	1/16W
R372	1-218-941-81	METAL CHIP	100	5%	1/16W
R373	1-218-953-11	METAL CHIP	1K	5%	1/16W
R374	1-218-953-11	METAL CHIP	1K	5%	1/16W
R376	1-218-945-11	METAL CHIP	220	5%	1/16W
R377	1-218-933-11	METAL CHIP	22	5%	1/16W
R378	1-218-933-11	METAL CHIP	22	5%	1/16W
R379	1-218-933-11	METAL CHIP	22	5%	1/16W
R380	1-218-933-11	METAL CHIP	22	5%	1/16W
R381	1-218-933-11	METAL CHIP	22	5%	1/16W
R382	1-218-933-11	METAL CHIP	22	5%	1/16W
R383	1-218-933-11	METAL CHIP	22	5%	1/16W
R384	1-218-945-11	METAL CHIP	220	5%	1/16W
R385	1-218-933-11	METAL CHIP	22	5%	1/16W
R386	1-218-933-11	METAL CHIP	22	5%	1/16W
R387	1-218-933-11	METAL CHIP	22	5%	1/16W
R388	1-218-933-11	METAL CHIP	22	5%	1/16W
R389	1-218-949-11	METAL CHIP	470	5%	1/16W
R390	1-218-933-11	METAL CHIP	22	5%	1/16W
R391	1-218-965-11	METAL CHIP	10K	5%	1/16W
R392	1-218-933-11	METAL CHIP	22	5%	1/16W
R393	1-218-949-11	METAL CHIP	470	5%	1/16W
R394	1-218-933-11	METAL CHIP	22	5%	1/16W
R395	1-218-933-11	METAL CHIP	22	5%	1/16W
R396	1-218-989-11	METAL CHIP	1M	5%	1/16W
R397	1-218-933-11	METAL CHIP	22	5%	1/16W
R398	1-218-933-11	METAL CHIP	22	5%	1/16W
R399	1-216-864-11	SHORT CHIP	0		
R400	1-218-965-11	METAL CHIP	10K	5%	1/16W
R401	1-218-965-11	METAL CHIP	10K	5%	1/16W
R403	1-218-941-81	METAL CHIP	100	5%	1/16W
R404	1-218-933-11	METAL CHIP	22	5%	1/16W
R405	1-218-941-81	METAL CHIP	100	5%	1/16W
R406	1-218-965-11	METAL CHIP	10K	5%	1/16W
R408	1-218-965-11	METAL CHIP	10K	5%	1/16W
R409	1-218-933-11	METAL CHIP	22	5%	1/16W
R410	1-218-965-11	METAL CHIP	10K	5%	1/16W
R411	1-218-933-11	METAL CHIP	22	5%	1/16W
R412	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R413	1-218-933-11	METAL CHIP	22	5%	1/16W
R414	1-218-933-11	METAL CHIP	22	5%	1/16W
R415	1-218-990-81	SHORT CHIP	0		
R416	1-218-990-81	SHORT CHIP	0		
R417	1-218-933-11	METAL CHIP	22	5%	1/16W
R419	1-218-965-11	METAL CHIP	10K	5%	1/16W
R420	1-218-965-11	METAL CHIP	10K	5%	1/16W
R421	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R422	1-218-965-11	METAL CHIP	10K	5%	1/16W
R423	1-218-977-11	METAL CHIP	100K	5%	1/16W
R424	1-218-953-11	METAL CHIP	1K	5%	1/16W

MAIN

	Ref. No.	Part No.	Description			Remark
	R425	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R426	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R428	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R429	1-218-941-81	METAL CHIP	100	5%	1/16W
	R430	1-218-981-81	METAL CHIP	220K	5%	1/16W
	R431	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R432	1-218-941-81	METAL CHIP	100	5%	1/16W
	R433	1-218-943-11	METAL CHIP	150	5%	1/16W
	R434	1-218-941-81	METAL CHIP	100	5%	1/16W
	R435	1-218-949-11	METAL CHIP	470	5%	1/16W
	R436	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
	R437	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R438	1-218-953-11	METAL CHIP	1K	5%	1/16W
	R439	1-218-953-11	METAL CHIP	1K	5%	1/16W
	R440	1-218-990-81	SHORT CHIP	0		
	R441	1-216-864-11	SHORT CHIP	0		
	R501	1-218-941-81	METAL CHIP	100	5%	1/16W
	R506	1-218-941-81	METAL CHIP	100	5%	1/16W
	R511	1-218-941-81	METAL CHIP	100	5%	1/16W
	R512	1-218-941-81	METAL CHIP	100	5%	1/16W
	R513	1-218-941-81	METAL CHIP	100	5%	1/16W
	R514	1-250-487-11	METAL CHIP	470	1%	1/16W
	R515	1-218-953-11	METAL CHIP	1K	5%	1/16W
	R516	1-250-487-11	METAL CHIP	470	1%	1/16W
	R517	1-218-967-11	METAL CHIP	15K	5%	1/16W
	R518	1-250-525-11	METAL CHIP	18K	1%	1/16W
	R519	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R520	1-218-937-11	METAL CHIP	47	5%	1/16W
	R521	1-218-937-11	METAL CHIP	47	5%	1/16W
	R522	1-218-937-11	METAL CHIP	47	5%	1/16W
	R523	1-218-937-11	METAL CHIP	47	5%	1/16W
	R524	1-218-937-11	METAL CHIP	47	5%	1/16W
	R525	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
	R526	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R527	1-218-973-11	METAL CHIP	47K	5%	1/16W
	R528	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
	R529	1-250-530-11	METAL CHIP	30K	1%	1/16W
	R530	1-216-001-00	METAL CHIP	10	5%	1/10W
	R531	1-216-001-00	METAL CHIP	10	5%	1/10W
	R532	1-216-001-00	METAL CHIP	10	5%	1/10W
	R533	1-216-001-00	METAL CHIP	10	5%	1/10W
	R535	1-218-967-11	METAL CHIP	15K	5%	1/16W
	R536	1-218-977-11	METAL CHIP	100K	5%	1/16W
	R537	1-218-977-11	METAL CHIP	100K	5%	1/16W
	R538	1-218-977-11	METAL CHIP	100K	5%	1/16W
	R539	1-218-977-11	METAL CHIP	100K	5%	1/16W
	R540	1-218-977-11	METAL CHIP	100K	5%	1/16W
	R541	1-218-977-11	METAL CHIP	100K	5%	1/16W
	R542	1-218-977-11	METAL CHIP	100K	5%	1/16W
	R601	1-218-953-11	METAL CHIP	1K	5%	1/16W
	R602	1-218-953-11	METAL CHIP	1K	5%	1/16W
*	R603	1-250-511-11	METAL CHIP	4.7K	1%	1/16W
*	R604	1-250-523-11	METAL CHIP	15K	1%	1/16W
	R605	1-218-969-11	METAL CHIP	22K	5%	1/16W
	R606	1-218-969-11	METAL CHIP	22K	5%	1/16W
	R607	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
	R608	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R609	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
*	R610	1-250-523-11	METAL CHIP	15K	1%	1/16W
	R611	1-216-864-11	SHORT CHIP	0		
	R612	1-216-864-11	SHORT CHIP	0		
	R613	1-216-864-11	SHORT CHIP	0		
	R614	1-208-883-81	METAL CHIP	680	0.5%	1/16W
	R615	1-208-711-11	METAL CHIP	15K	0.5%	1/16W
	R616	1-208-715-11	METAL CHIP	22K	0.5%	1/16W
	R617	1-218-965-11	METAL CHIP	10K	5%	1/16W
*	R619	1-250-527-11	METAL CHIP	22K	1%	1/16W
	R620	1-250-519-11	METAL CHIP	10K	1%	1/16W
	R621	1-250-519-11	METAL CHIP	10K	1%	1/16W
	R623	1-208-871-81	METAL CHIP	220	0.5%	1/16W
	R624	1-208-703-11	METAL CHIP	6.8K	0.5%	1/16W
	R625	1-208-715-11	METAL CHIP	22K	0.5%	1/16W
	R1001	1-218-933-11	METAL CHIP	22	5%	1/16W
	R1002	1-218-933-11	METAL CHIP	22	5%	1/16W
	R1003	1-218-973-11	METAL CHIP	47K	5%	1/16W
	R1004	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R1005	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R1006	1-218-941-81	METAL CHIP	100	5%	1/16W
	R1009	1-216-797-11	METAL CHIP	10	5%	1/10W
	R1012	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
	R1013	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R1014	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R1015	1-218-953-11	METAL CHIP	1K	5%	1/16W
	R1016	1-218-941-81	METAL CHIP	100	5%	1/16W
	R1017	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
	R1018	1-218-990-81	SHORT CHIP	0		
	R1019	1-218-990-81	SHORT CHIP	0		
	R1020	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R1022	1-218-941-81	METAL CHIP	100	5%	1/16W
	R1023	1-218-941-81	METAL CHIP	100	5%	1/16W
	R1025	1-218-941-81	METAL CHIP	100	5%	1/16W
	R1026	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R1027	1-218-941-81	METAL CHIP	100	5%	1/16W
	R1028	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R1029	1-218-941-81	METAL CHIP	100	5%	1/16W
	R1030	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
	R1031	1-218-941-81	METAL CHIP	100	5%	1/16W
	R1032	1-218-941-81	METAL CHIP	100	5%	1/16W
	R1035	1-218-973-11	METAL CHIP	47K	5%	1/16W
	R1041	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R1042	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R1043	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R1044	1-218-941-81	METAL CHIP	100	5%	1/16W
	R1045	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R1046	1-218-941-81	METAL CHIP	100	5%	1/16W
	R1048	1-218-941-81	METAL CHIP	100	5%	1/16W
	R1049	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R1051	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R1060	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
	R1061	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R1062	1-218-965-11	METAL CHIP	10K	5%	1/16W
	R1063	1-218-953-11	METAL CHIP	1K	5%	1/16W
	R1064	1-218-937-11	METAL CHIP	47	5%	1/16W
	R1065	1-218-937-11	METAL CHIP	47	5%	1/16W
	R1066	1-218-941-81	METAL CHIP	100	5%	1/16W
	R1067	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
	R1070	1-218-941-81	METAL CHIP	100	5%	1/16W
	R1071	1-218-941-81	METAL CHIP	100	5%	1/16W
	R1072	1-218-990-81	SHORT CHIP	0		
	R1073	1-218-990-81	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R1075	1-218-941-81	METAL CHIP	100	5%	1/16W
R1076	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1077	1-218-941-81	METAL CHIP	100	5%	1/16W
R1078	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R1079	1-218-941-81	METAL CHIP	100	5%	1/16W
R1080	1-218-941-81	METAL CHIP	100	5%	1/16W
R1081	1-218-941-81	METAL CHIP	100	5%	1/16W
R1089	1-218-941-81	METAL CHIP	100	5%	1/16W
R1091	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1093	1-218-956-11	METAL CHIP	1.8K	5%	1/16W
R1096	1-218-956-11	METAL CHIP	1.8K	5%	1/16W
R1097	1-218-941-81	METAL CHIP	100	5%	1/16W
R1098	1-218-941-81	METAL CHIP	100	5%	1/16W
R1104	1-218-990-81	SHORT CHIP	0		
R1105	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R1106	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R1107	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R1108	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R1113	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R1115	1-218-973-11	METAL CHIP	47K	5%	1/16W
R1116	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1117	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1120	1-218-981-81	METAL CHIP	220K	5%	1/16W
R1122	1-218-949-11	METAL CHIP	470	5%	1/16W
R1124	1-208-859-81	METAL CHIP	68	0.5%	1/16W
R1505	1-218-933-11	METAL CHIP	22	5%	1/16W
R1506	1-218-933-11	METAL CHIP	22	5%	1/16W
R1507	1-218-933-11	METAL CHIP	22	5%	1/16W
R1508	1-218-933-11	METAL CHIP	22	5%	1/16W
R1509	1-218-973-11	METAL CHIP	47K	5%	1/16W
R1510	1-218-973-11	METAL CHIP	47K	5%	1/16W
R1511	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R1512	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R1513	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R1514	1-218-937-11	METAL CHIP	47	5%	1/16W
R1515	1-218-937-11	METAL CHIP	47	5%	1/16W
R1516	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R1517	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1518	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1519	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R1520	1-218-933-11	METAL CHIP	22	5%	1/16W
R1521	1-218-933-11	METAL CHIP	22	5%	1/16W
R1522	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R1523	1-218-929-11	METAL CHIP	10	5%	1/16W
R1524	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R1525	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1526	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R1527	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R1528	1-218-929-11	METAL CHIP	10	5%	1/16W
R1529	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R1530	1-218-933-11	METAL CHIP	22	5%	1/16W
R1531	1-218-933-11	METAL CHIP	22	5%	1/16W
R1532	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R1533	1-218-929-11	METAL CHIP	10	5%	1/16W
R1535	1-218-956-11	METAL CHIP	1.8K	5%	1/16W
R1536	1-218-956-11	METAL CHIP	1.8K	5%	1/16W
R1537	1-218-973-11	METAL CHIP	47K	5%	1/16W
R1538	1-218-933-11	METAL CHIP	22	5%	1/16W
R1539	1-218-933-11	METAL CHIP	22	5%	1/16W
R1540	1-218-947-11	METAL CHIP	330	5%	1/16W

Ref. No.	Part No.	Description			Remark
R1541	1-220-208-81	METAL CHIP	130K	5%	1/16W
R1543	1-218-937-11	METAL CHIP	47	5%	1/16W
R1544	1-218-937-11	METAL CHIP	47	5%	1/16W
R1545	1-218-937-11	METAL CHIP	47	5%	1/16W
R1546	1-218-945-11	METAL CHIP	220	5%	1/16W
R1547	1-218-937-11	METAL CHIP	47	5%	1/16W
R1549	1-218-937-11	METAL CHIP	47	5%	1/16W
R1551	1-218-937-11	METAL CHIP	47	5%	1/16W
R1552	1-218-937-11	METAL CHIP	47	5%	1/16W
R1553	1-218-937-11	METAL CHIP	47	5%	1/16W
R1554	1-216-864-11	SHORT CHIP	0		
R1560	1-218-933-11	METAL CHIP	22	5%	1/16W
R1561	1-218-933-11	METAL CHIP	22	5%	1/16W
R1801	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1804	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1805	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1806	1-218-941-81	METAL CHIP	100	5%	1/16W
R1807	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1808	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1810	1-218-967-11	METAL CHIP	15K	5%	1/16W
R1811	1-218-967-11	METAL CHIP	15K	5%	1/16W
		< COMPOSITION CIRCUIT BLOCK >			
RB101	1-234-375-21	RES, NETWORK 1K (1005X4)			
RB102	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB103	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB104	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB105	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB107	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB108	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB501	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB502	1-234-372-11	RES, NETWORK 100 (1005X4)			
* RB1001	1-460-611-11	COMMON MODE CHOKE COIL			
* RB1002	1-460-611-11	COMMON MODE CHOKE COIL			
* RB1015	1-460-611-11	COMMON MODE CHOKE COIL			
* RB1016	1-460-611-11	COMMON MODE CHOKE COIL			
RB1501	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB1502	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB1503	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB1504	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
		< VIBRATOR >			
X101	1-781-646-21	VIBRATOR, CERAMIC (4 MHz)			
X301	1-814-267-11	QUARTZ CRYSTAL UNIT (24.576 MHz)			
X302	1-814-363-11	QUARTZ CRYSTAL UNIT (25 MHz)			
X1501	1-814-595-11	QUARTS CRYSTAL UNIT (27 MHz)			

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Ref. No.	Part No.	Description			Remark
	A-2066-054-A	POWER BOARD, COMPLETE (US, CND, TW)			(See Note)
	A-2066-056-A	POWER BOARD, COMPLETE			(Except US, CND, TW) (See Note)
		*********************			
	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
⚠ C902	1-112-870-51	CERAMIC	0.001uF	20%	250V (US, CND, TW) (See Note)
⚠ C902	1-118-332-11	CERAMIC	0.0033uF	20%	250V (Except US, CND, TW) (See Note)

Note: When C902 on the POWER board and the complete POWER board are replaced, refer to "BOND FIXATION OF ELECTRIC PARTS" on page 6.

Ref. No.	Part No.	Description	Remark
⚠ C903	1-112-870-51	CERAMIC 0.001uF 20% 250V	(US, CND, TW) (See Note)
⚠ C903	1-118-332-11	CERAMIC 0.0033uF 20% 250V	(Except US, CND, TW) (See Note)
⚠ C905	1-114-594-21	FILM 0.22uF 10% 310V	(US, CND, TW) (See Note)
⚠ C905	1-116-397-21	FILM 0.33uF 10% 310V	(Except US, CND, TW) (See Note)
⚠ C907	1-116-397-21	FILM 0.33uF 10% 310V	(Except US, CND, TW)
⚠ C914	1-100-922-11	ELECT 330uF 20% 200V	(US, CND, TW) (See Note)
⚠ C915	1-118-715-11	ELECT (BLOCK) 100uF 20 % 450V	(Except US, CND, TW) (See Note)
⚠ C930	1-118-361-11	CERAMIC CHIP 0.1uF 10% 50V	
⚠ C931	1-164-217-91	CERAMIC CHIP 150PF 5% 50V	(US, CND, TW)
⚠ C931	1-164-218-91	CERAMIC CHIP 180PF 5% 50V	(Except US, CND, TW)
⚠ C932	1-162-968-91	CERAMIC CHIP 0.0047uF 10% 50V	
⚠ C933	1-116-717-11	CERAMIC CHIP 10uF 20% 10V	
⚠ C934	1-116-729-11	CERAMIC CHIP 2.2uF 20% 10V	
⚠ C935	1-117-824-11	FILM 2200PF 3% 1.5KV	(US, CND, TW)
⚠ C936	1-118-361-11	CERAMIC CHIP 0.1uF 10% 50V	
⚠ C937	1-116-874-11	CERAMIC CHIP 10uF 10% 35V	
⚠ C938	1-125-893-11	FILM 680PF 3% 1.5KV	(Except US, CND, TW)
⚠ C939	1-116-034-92	FILM 0.0033uF 5% 400V	
⚠ C940	1-112-869-51	CERAMIC 470PF 10% 250V	(US, CND, TW)
⚠ C941	1-112-235-21	ELECT 330uF 20% 25V	(See Note)
C965	1-112-723-21	CERAMIC CHIP 0.0047uF 10% 250V	
C967	1-114-994-11	ELECT 2200uF 20% 35V	(See Note)
C968	1-118-361-11	CERAMIC CHIP 0.1uF 10% 50V	
C970	1-112-241-11	ELECT 1000uF 20% 25V	(See Note)
C971	1-118-345-11	CERAMIC CHIP 0.01uF 10% 25V	
C976	1-112-245-21	ELECT 47uF 20% 35V	
C977	1-112-245-21	ELECT 47uF 20% 35V	(See Note)
C978	1-126-964-11	ELECT 10uF 20% 50V	(Except US, CND, TW) (See Note)
C980	1-112-245-21	ELECT 47uF 20% 35V	(See Note)
⚠ C988	1-165-528-11	MYLAR 0.1uF 10% 250V	(US, CND, TW) (See Note)
		< CONNECTOR >	
⚠ *CN901	1-793-660-11	PIN, CONNECTOR (PC BOARD) 3P	
* CN902	1-564-725-11	PIN, CONNECTOR (SMALL TYPE) 9P	
		< DIODE >	
⚠ D901	8-719-077-77	DIODE D3SB60F3 (See Note)	
⚠ D930	6-503-032-01	DIODE DZ2J180M0L	
⚠ D931	8-719-083-71	DIODE UDZSUSTE-1730B	
⚠ D932	6-502-975-01	DIODE DZ2J15000L	
⚠ D934	6-503-032-01	DIODE DZ2J180M0L	
⚠ D935	8-719-083-71	DIODE UDZSUSTE-1730B	
⚠ D936	6-501-119-01	DIODE RR264M-400	
⚠ D937	6-501-119-01	DIODE RR264M-400	

Ref. No.	Part No.	Description	Remark
⚠ D938	6-503-731-01	DIODE SARS10	
⚠ D939	6-503-037-01	DIODE DZ2J24000L	
⚠ D941	8-719-083-71	DIODE UDZSUSTE-1730B	
⚠ D942	6-503-775-01	DIODE CRH02 (T5R, SONY, XM)	
D965	6-501-849-01	DIODE FMX-22SL	
D967	6-503-978-01	DIODE RB068L100TE25	
⚠ D972	6-502-264-01	DIODE KDZTR18B	
D973	8-719-083-71	DIODE UDZSUSTE-1730B	
		< FUSE >	
⚠ F901	1-523-067-51	FUSE (5 A/250 V)	
⚠ F931	1-523-085-11	FUSE (2.5 A/250 V) (See Note)	
		< IC >	
⚠ IC930	6-720-460-01	IC STR-Y6735 (US, CND, TW)	
⚠ IC930	6-721-976-01	IC STR-Y6766B (Except US, CND, TW)	
IC931	6-716-865-01	IC MM1431FNRE	
		< COIL >	
L966	1-460-612-11	COIL, CHOKE 2.2uH	
L967	1-481-175-21	INDUCTOR 4.7uH	
		< LINE FILTER >	
⚠ LF901	1-445-944-11	TRANSFORMER, LINE FILTER	(Except US, CND, TW) (See Note)
⚠ LF901	1-460-693-11	LINE FILTER TRANSFORMER (US, CND, TW)	(See Note)
		< PHOTO COUPLER >	
⚠ PH930	6-600-883-01	PHOTO COUPLER EL816S1 (B) (TA) (DTE-S)	
		< TRANSISTOR >	
⚠ Q930	8-729-056-46	TRANSISTOR 2SC5053T100Q	
⚠ Q931	6-552-949-01	TRANSISTOR LTC044EUBFS8TL	
Q950	6-550-586-01	TRANSISTOR 2PA1576R-115	(Except US, CND, TW)
* Q952	6-553-105-01	TRANSISTOR PDTC144EU	(Except US, CND, TW)
		< RESISTOR >	
⚠ R901	1-240-938-51	METAL 1.5M 5% 0.5W F	
⚠ R914	1-248-270-15	FUSIBLE 0.33 10% 1W F	
⚠ R932	1-216-345-51	METAL OXIDE 0.47 5% 1W F	(US, CND, TW)
⚠ R932	1-216-353-51	METAL OXIDE 2.2 5% 1W F	(Except US, CND, TW)
⚠ R934	1-248-050-11	METAL 0.22 5% 2W F	(Except US, CND, TW) (See Note)
⚠ R934	1-248-245-11	METAL 0.15 5% 2W F	(US, CND, TW) (See Note)
⚠ R935	1-216-825-91	METAL CHIP 2.2K 5% 1/10W	
⚠ R936	1-216-841-91	METAL CHIP 47K 5% 1/10W	
⚠ R937	1-216-829-91	METAL CHIP 4.7K 5% 1/10W	
⚠ R938	1-216-838-91	METAL CHIP 27K 5% 1/10W	
⚠ R944	1-215-927-51	METAL OXIDE 47K 5% 3W F	(US, CND, TW)
⚠ R944	1-215-929-51	METAL OXIDE 100K 5% 3W F	(Except US, CND, TW)
⚠ R945	1-216-809-91	METAL CHIP 100 5% 1/10W	
⚠ R947	1-216-793-91	METAL CHIP 4.7 5% 1/10W	

Note: When C903, C905, C914, C915, C941, C967, C970, C977, C978, C980, C988, D901, F931, LF901 and R934 are replaced, refer to “BOND FIXATION OF ELECTRIC PARTS” on page 6.

Ref. No.	Part No.	Description	Remark
R951	1-216-849-11	METAL CHIP 220K 5% 1/10W	(Except US, CND, TW)
R952	1-216-821-11	METAL CHIP 1K 5% 1/10W	(Except US, CND, TW)
⚠ R953	1-216-793-91	METAL CHIP 4.7 5% 1/10W	
⚠ R954	1-216-793-91	METAL CHIP 4.7 5% 1/10W	
⚠ R955	1-216-864-91	SHORT CHIP 0	
R965	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R971	1-216-849-11	METAL CHIP 220K 5% 1/10W	
R976	1-216-823-11	METAL CHIP 1.5K 5% 1/10W	
R977	1-218-887-11	METAL CHIP 47K 0.5% 1/10W	
R978	1-218-863-11	METAL CHIP 4.7K 0.5% 1/10W	
R987	1-216-821-11	METAL CHIP 1K 5% 1/10W	
⚠ R997	1-216-864-91	SHORT CHIP 0 (US, CND, TW)	
		< TRANSFORMER >	
⚠ T901	1-697-326-11	CONVERTER TRANSFORMER (01C327)	(Except US, CND, TW)
⚠ T901	1-697-327-11	CONVERTER TRANSFORMER (01C313)	(US, CND, TW)
		< THERMISTOR >	
⚠ TH901	1-811-315-31	POWER THERMISTOR (See Note 1)	
⚠ TH902	1-812-011-11	THERMISTOR, POSITIVE (Except US, CND, TW)	
		< VARISTOR >	
⚠ VDR901	1-811-165-31	VARISTOR (TVR10471-D) (See Note 1)	

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Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS **************	
⚠ AC1	1-834-966-42	POWER-SUPPLY CORD (AEP, E3, SP, PX)	
⚠ AC1	1-835-068-21	CORD, POWER (AUS)	
⚠ AC1	1-835-706-23	CORD, POWER-SUPPLY (BR)	
⚠ AC1	1-837-308-12	CORD, POWER-SUPPLY (US, CND)	
⚠ AC1	1-837-345-11	CORD, POWER-SUPPLY (TW)	
⚠ AC1	1-837-822-21	CORD, POWER-SUPPLY (CH)	
⚠ AC1	1-839-999-21	POWER-SUPPLY CORD (UK, EA3)	
⚠ ACP1	1-785-504-21	ADAPTOR, CONVERSION (PX)	
⚠ ACP2	1-770-019-72	ADAPTOR, CONVERSION PLUG 3P (SV)	(SP for Hong Kong only) (See Note 3)
BT1	1-490-558-92	BLUETOOTH MODULE	
FFC1	9-833-606-96	FFC 14P	
FFC2	9-833-606-95	FFC 24P	
FFC3	9-833-606-94	FFC 18P	
FFC4	9-833-606-97	FFC 6P	
NFC1	8-989-602-00	RC-S730 (WW) (NFC module)	
RF1	1-492-347-11	RF MODULATOR (SWA12-4V TX) (See Note 2)	
SP1	1-859-097-11	SPEAKER (60 mm) (Woofer) (L-ch)	
SP2	1-859-097-11	SPEAKER (60 mm) (Woofer) (R-ch)	
SP3	1-859-096-11	SPEAKER (19 mm) (Tweeter) (L-ch)	
SP4	1-859-096-11	SPEAKER (19 mm) (Tweeter) (R-ch)	
SPC1	1-848-741-11	CONNECTION CABLE W/ SPK (L) (Left side)	
SPC2	1-848-742-11	CONNECTION CABLE W/ SPK (R) (Right side)	

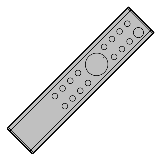
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Note 1: When TH901 and VDR901 on the POWER board are replaced, refer to "BOND FIXATION OF ELECTRIC PARTS" on page 6.

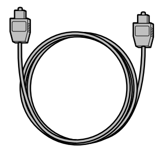
Note 2: When the RF modulator (Ref. No. RF1) is replaced, refer to "NOTES ON THE WIRELESS CONNECTION (LINK) AFTER REPAIRS ARE COMPLETE" on page 5.

Ref. No.	Part No.	Description	Remark
		ACCESSORIES ************	
	4-565-123-12	MANUAL, INSTRUCTION	(ENGLISH, SPANISH, FRENCH) (US, CND)
	4-565-123-22	MANUAL, INSTRUCTION (ENGLISH) (UK, AUS)	
	4-565-123-32	MANUAL, INSTRUCTION	(FRENCH, SPANISH, DUTCH) (AEP)
	4-565-123-42	MANUAL, INSTRUCTION	(GERMAN, ITALIAN, POLISH) (AEP)
	4-565-123-52	MANUAL, INSTRUCTION	(ENGLISH, FRENCH, ARABIC, PERSIAN) (E3)
	4-565-123-62	MANUAL, INSTRUCTION	(ENGLISH, TRADITIONAL CHINESE) (SP)
	4-565-123-72	MANUAL, INSTRUCTION (ENGLISH) (PX)	
	4-565-126-11	MANUAL, INSTRUCTION (SIMPLIFIED CHINESE)	(CH)
	4-565-126-21	MANUAL, INSTRUCTION	(TRADITIONAL CHINESE) (TW)
	4-565-126-51	MANUAL, INSTRUCTION (PORTUGUESE) (BR)	
	4-570-575-11	INSTRUCTION MANUAL (ENGLISH, ARABIC)	(EA3)
501	1-492-931-11	REMOTE COMMANDER RMT-AH101U	(Remote control)
502	1-837-197-31	CORD, LIGHT PLUG (Optical digital cable)	
503	4-548-768-01	WALL STAND (1 piece) (Wall mounting bracket)	
504	2-580-607-01	SCREW, +PSW M5X12 (1 piece)	(for Wall mounting bracket)

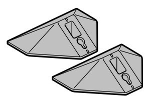
501 Remote control (1)



502 Optical digital cable (1)



503 Wall mounting brackets (2)



504 Screws (2)



Note 3: Ref. No. ACP2 is a service part used only for the Singapore model sold in Hong Kong.

MEMO

REVISION HISTORY

Ver.	Date	Description of Revision
1.0	2015.02	New
1.1	2015.04	Addition of Chinese, PX, African, Iranian, Saudi Arabia, UAE, Kuwait, Iraqi, Kenyan, Tanzanian, Nigerian, Brazilian, Singapore and Taiwan models Change of Part No. for TOP PANEL ASSY (Ref. No. 56) Change of Part No. for INSTRUCTION MANUAL (US, Canadian, AEP, UK and Australian models) (SMR-14050)

How to search for a contact point of signal lines or the like in DIAGRAMS SECTION
If a contact point of a BLOCK DIAGRAM, PRINTED WIRING BOARD or SCHEMATIC DIAGRAM is shown in a different page, use the PDF file search function to find one.

e.g.) If a contact point is shown as >001Z, follow the procedure below.

Procedure:
1. Press the [F] key while pressing the [Ctrl] key.
2. Input ">001Z" in the search box and press the [Enter] key.
3. The relevant part (page), where the contact point is shown, appears.

Note: If you still see the original page, press the [Enter] key again.